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| | |

| UNIT VARIATIONS COVERED BY THIS PRINT SET | |
|---|-----------------|
| RH 7 8Ø | |
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| RH78Ø-AA | |
| RH78Ø-AB | |
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RH78Ø Field Maintenance Print Set

Digital Equipment Corporation

PRINT SET ORDER NO MP00499

| | REV | - | USED ON OP | TION/MODEL | DRN. | DATE | | | | | dia | litali . |
|------------|--------------|-------|------------|-------------|--------------|----------------|--------|-------|-----------------|----------|------|-------------|
| | 1. | . ~ | 11780 | | P. BOUDREAU | SEP 77 | T.T | | | | 4119 | Intali |
| | <u>ş</u> Ş | 6 | | | CHK'D | DATE | TITLE: | 11780 | MACCRIIC | ADAPTOR | BOOK | ļ.; |
| EN-01124-1 | 2 SH | 0 | | | D. HEALY | NOV 77 | | 11700 | (RH 7 8) | adarion | ASSI | į |
| 1124 | | | | | PROJ. ENG. | DATE | | | | | | 1 |
| ā | | T | | | Kenskin OTEN | 15 2001 77 | SIZE | CODE | | NUMBER | | REV. |
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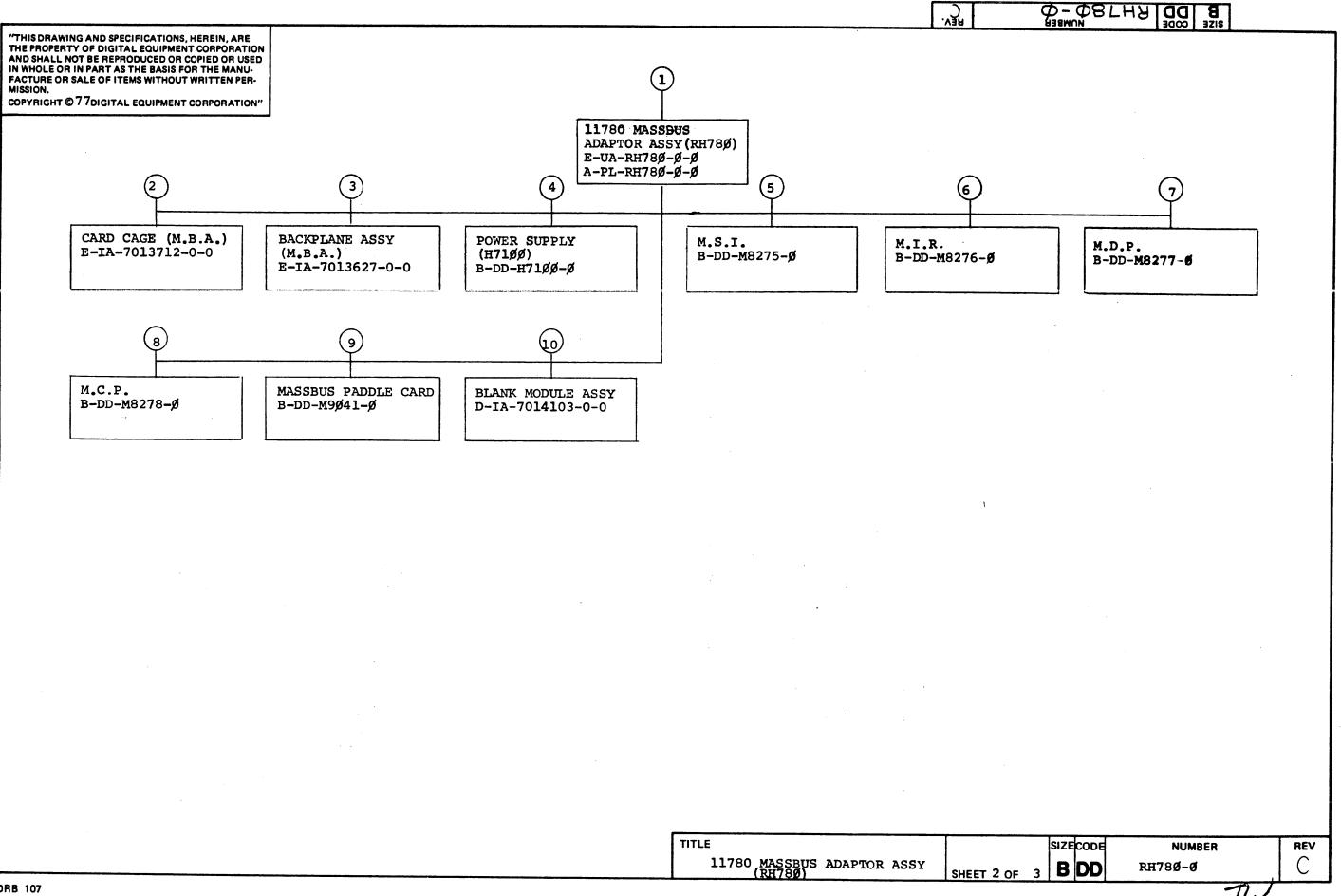
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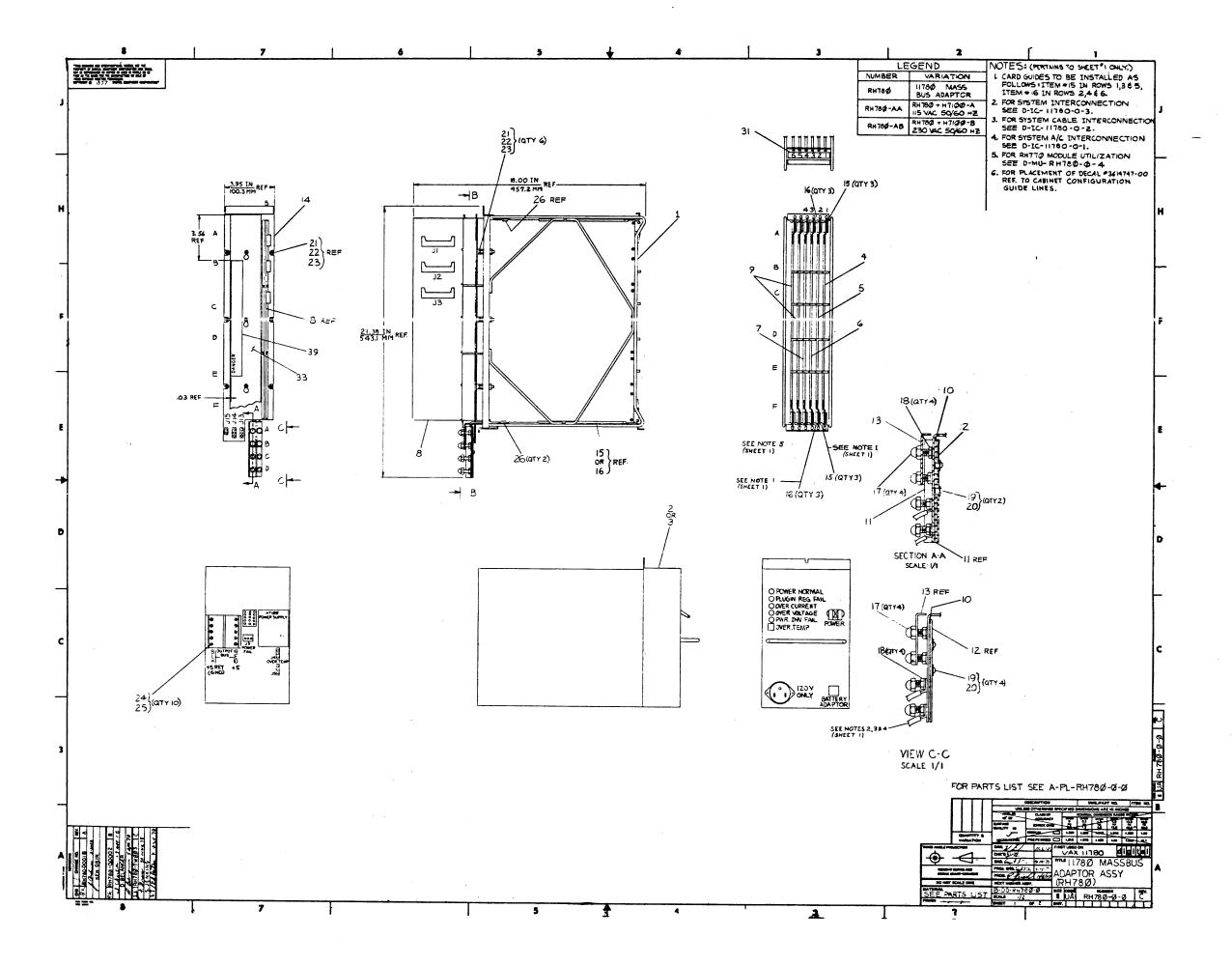
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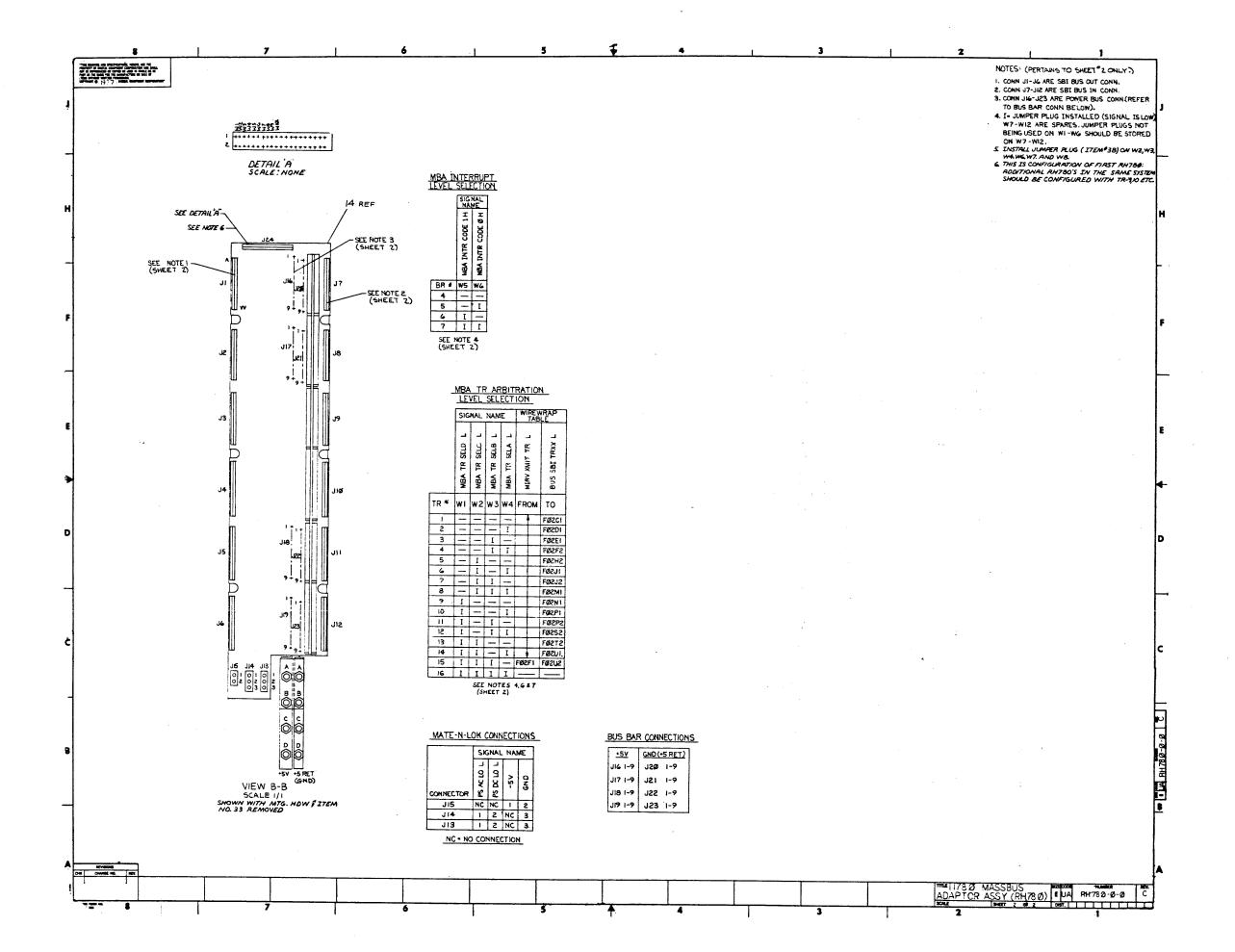
| | UNIT VARIATIONS |
|----------|-------------------------------------|
| VAR | TITLE |
| RH78Ø | 11780 MASSBUS ADAPTOR ASSY (RH78Ø) |
| RH78Ø-AA | RH78Ø PLUS H710Ø-A 115V AC 50/60 HZ |
| RH78Ø-AB | RH78Ø PLUS H710Ø-B 230V AC 50/60 H2 |
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| CHANGE NG (CHANGE NG (| | | NOV 77 | 11780 MASSBUS ADAPTOR ASSY (RH780) |
| | | L | DATE I | SIZE CODE NUMBER REV B DD RH780-0 |
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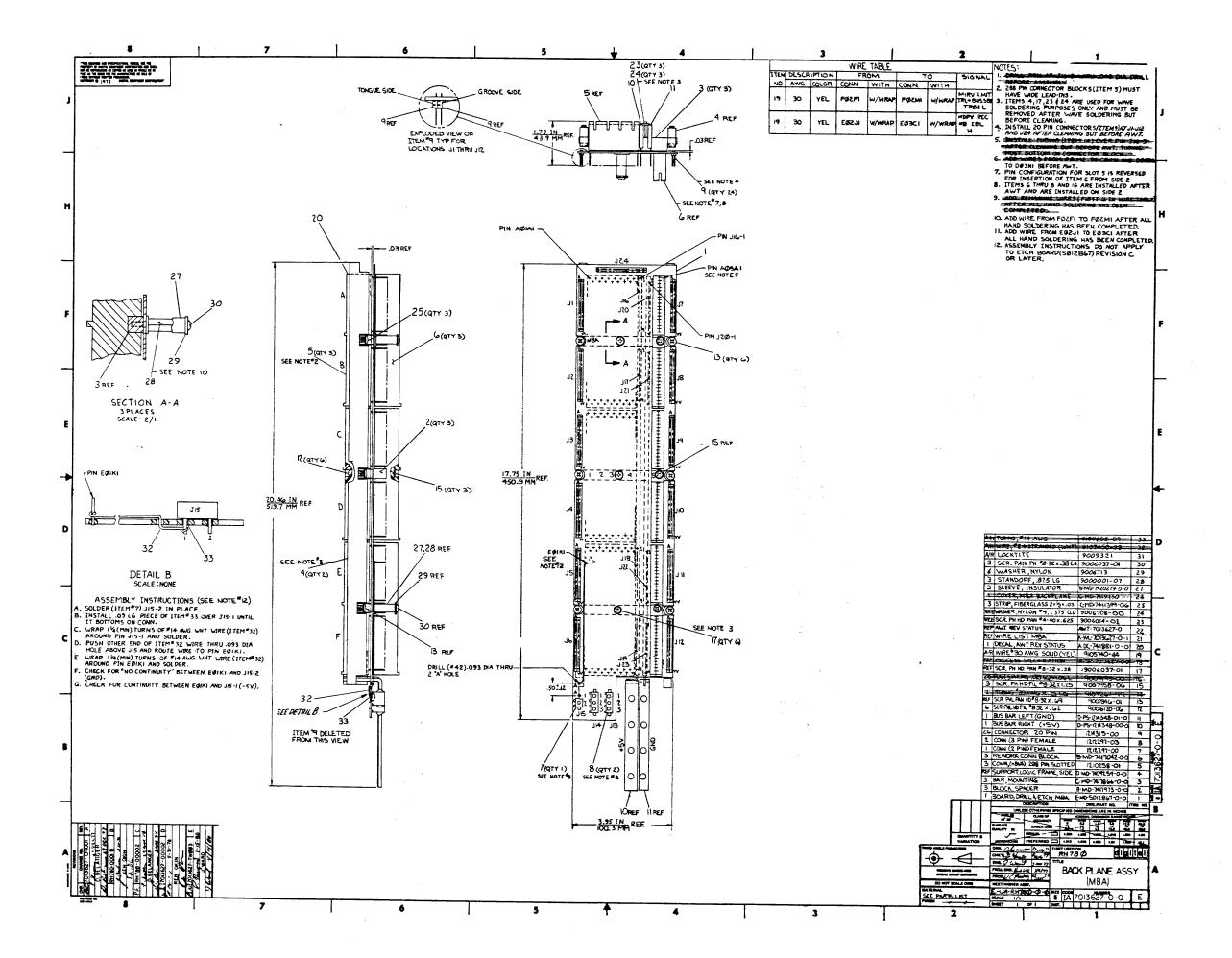
| FIND NO. | DRAWING NO. | DESCRIPTION | TYPE | FIND NO. | DRAWING NO. | | DESCRIPTION | TYPE |
|----------|--------------------------------------|---|------------|----------|---|--|--|----------|
| 1 | MPØØ49 7 | 11780 MASSBUS ADAPTOR ASSY (RH78Ø) (MP) | | ┨┣── | C-MD-7411399-0-0 | STRIP, FIB | BERGLASS | M |
| - | B-TC-RH78Ø-Ø-1 | 11780 MASSBUS ADAPTOR ASSY (RH78Ø) (TC) | - | 1 | A-DC-7411881-0-0 | | REV. STATUS | М |
| | E-UA-RH78Ø-Ø-Ø | 11780 MASSBUS ADAPTOR ASSY (RH78Ø) | E/M | | | | | |
| | A-PL-RH78Ø-Ø-Ø | 11780 MASSBUS ADAPTOR ASSY (RH780) (PL) | E/M | | | | | |
| | B-IA-7418902-0-0 | PLATE, STUD | M | | | | | |
| | B-MD-7418903-0-0 | "U" BAR | M | ↓ | K-WL-7013627-0-1 | WIRE LIST | M.B.A. | E |
| | B-MD-7419084-0-0 | PLATE, HOLDING | M | ↓ | A-WT-7013627-0_ | A.W.T. REV | 7. STATUS | E |
| | B-MD-7419485-0-0 | COVER, BUS BAR | M | ┨┣— | | | | |
| | D-IC-11780-0-1 | 11780 SYSTEM POWER DIAGRAM | E/M | | | | | |
| | D-IC-11780-Ø-2 | 11780 SYSTEM INTERCONNECT DIAGRAM | E/M | | | | | |
| | D-IC-11780-Ø-3 | 11780 SUB SYSTEM INTERCONNECT | E/M | | | 20.00 | and the state of t | |
| | D-MU-RH78Ø-Ø-2 | MODULE UTILIZATION MASSBUS ADAPTOR | E/M | 4 | B-DD-H71ØØ-Ø | POWER SUPP | PLY (H7100) | E/M |
| | D-TD-RH78Ø-Ø-4 | M.B.A. TIMING DIAGRAM | E | | | | | |
| | D-FD-RH78Ø-Ø-5 | M.B.A. FLOW DIAGRAM | E | J | • | | | |
| | D-IA-7014212-0-0 | CABLE, AC, DC LO | E/M | | | | | |
| | D-IA-7014530-0-0 | CABLE, POWER (RED) | E/M | | B-DD-M8275-Ø | M.S.I. | | E/M |
| | D-IA-7014249-0-0 | CABLE, POWER (BLACK) | E/M | 4 | | | W | |
| | C-MD-7419450-0-0 | COVER, M.B.A. BACKPLANE | M_ | ┨├── | | | | |
| \vdash | D-IA-1700087-00 D-IA-BC06R-10 | CABLE, COAX RIBBON | F/M E/M | <u> </u> | | | | |
| | D-IA-7014213-0K | BCO6R I/O CABLE (10 ft) CABLE, OVER TEMP. | E/M | 6 | B-DD-M8276-Ø | M.I.R. | | E/M |
| | | | | | | | | |
| | | | | 7 | B-DD-M8277-Ø | M.D.P. | | E/M |
| 2 | E-IA-7013712-0-0 | CARD CAGE (M.B.A.) | м | | | · | | |
| | C-MD-7417930-0-0 | MTG. BAR VERTICAL | M |] [| | | | |
| | C-MD-7417966-0-0 | BRACKET BOTTOM REAR | M | ↓ | | | | |
| | B-MD-7417963-0-0 | BRACKET CARD GUIDE | M | ↓ | · | | | |
| | C-MD-7417967-0-0 | BRACKET BOTTOM CARD GUIDE | <u>M</u> | 8 | B-DD-M8278-Ø | M.C.P. | | E/M |
| | C-MD-7417964-0-0 | BRACKET TOP CARD GUIDE | M | ┨┣— | | | | |
| | C-MD-7417942-0-0 | HANDLE, CARD CAGE | M | ┨┠── | | | | |
| - | C-MD-7417965-0-0 | BRACKET TOP REAR | <u>M</u> | ┨├── | | | | |
| | C-MD-7418194-0-0 C-MD-7418181-0-0 | STIFFENER, CARD CAGE STIFFENER, CORNER | M M | 9 | B-DD-M9Ø41-Ø | MASSBUS PA | ADDLE CARD | E/M |
| | | | | | | : | | |
| 3 | E-IA-7013627-0-0 | BACKPLANE ASSY (M.B.A.) | M | 10 | D-IA-7014103-0-0 | BLANK MODU | | М |
| <u> </u> | E-MD-5012867-0-0 | BOARD DRILL AND ETCH. M.B.A. | <u>M</u> | 4 | E-MD-7418172-0-0 | BLANK MODU | LE | <u>M</u> |
| | B-MD-7417973-0-0 | BLOCK SPACER | M | 7 | <u> </u> | | | |
| | C-MD-7417866-0-0 | BAR MOUNTING | M | | | | | |
| - | B-MD-7419254-0-0 D-PS-1214348-0-0 | REWORK, CONN. BLOCK | M M | ┨├─ | | | | |
| TVP | D-P5-1214348-U-U | BUS BAR | | + | F | 1 | SIZE CODE NUMBER | REV |
| ITP | M MECHANICAL E/M ELECTRO/MECHANICAL | | digital | | - ^E 1 17 80 MASSBUS ADAF (RH78Ø) | TOR ASSY | SHEET 3 OF 3 B DD RH78Ø-Ø | , C |

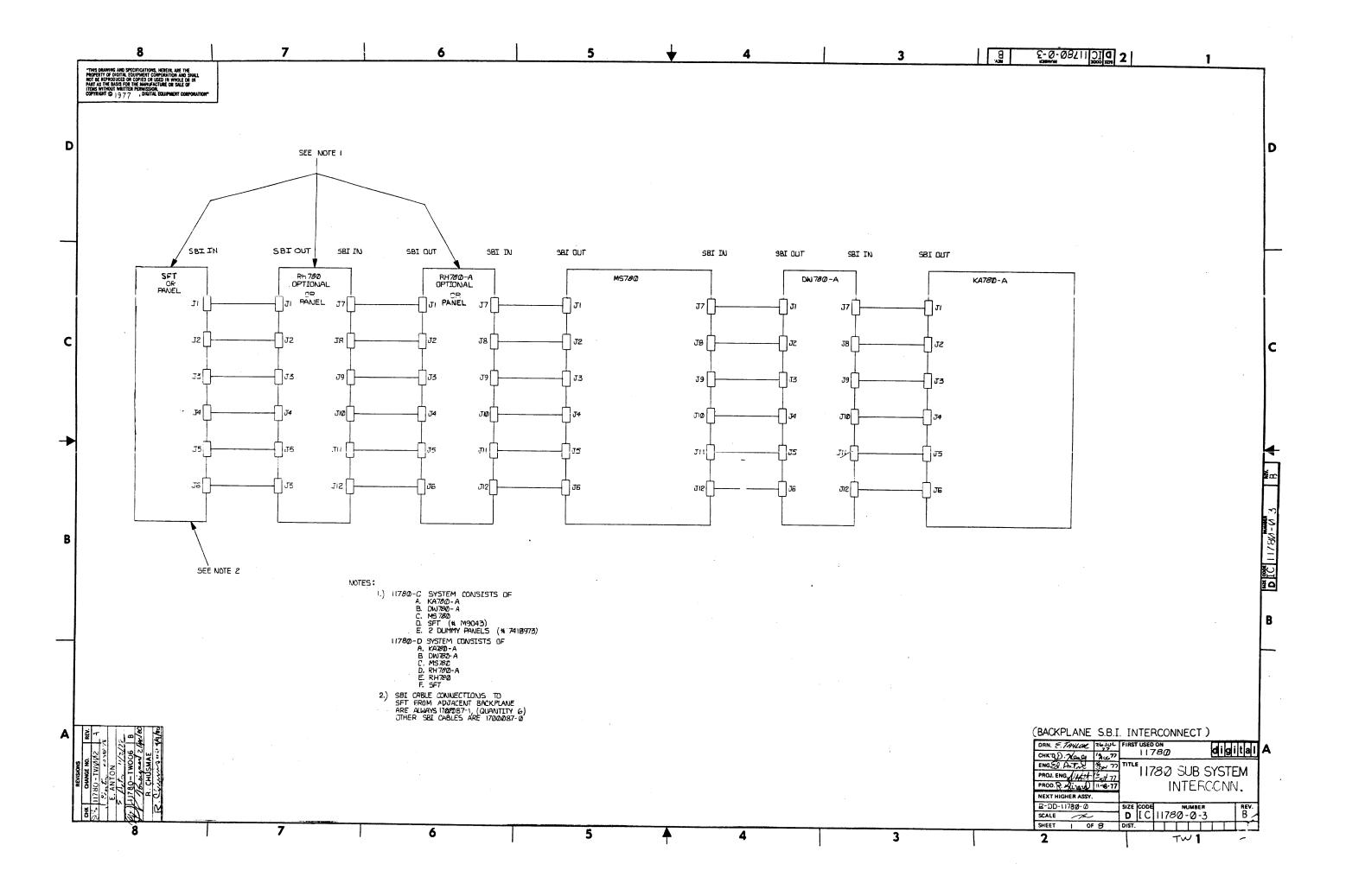


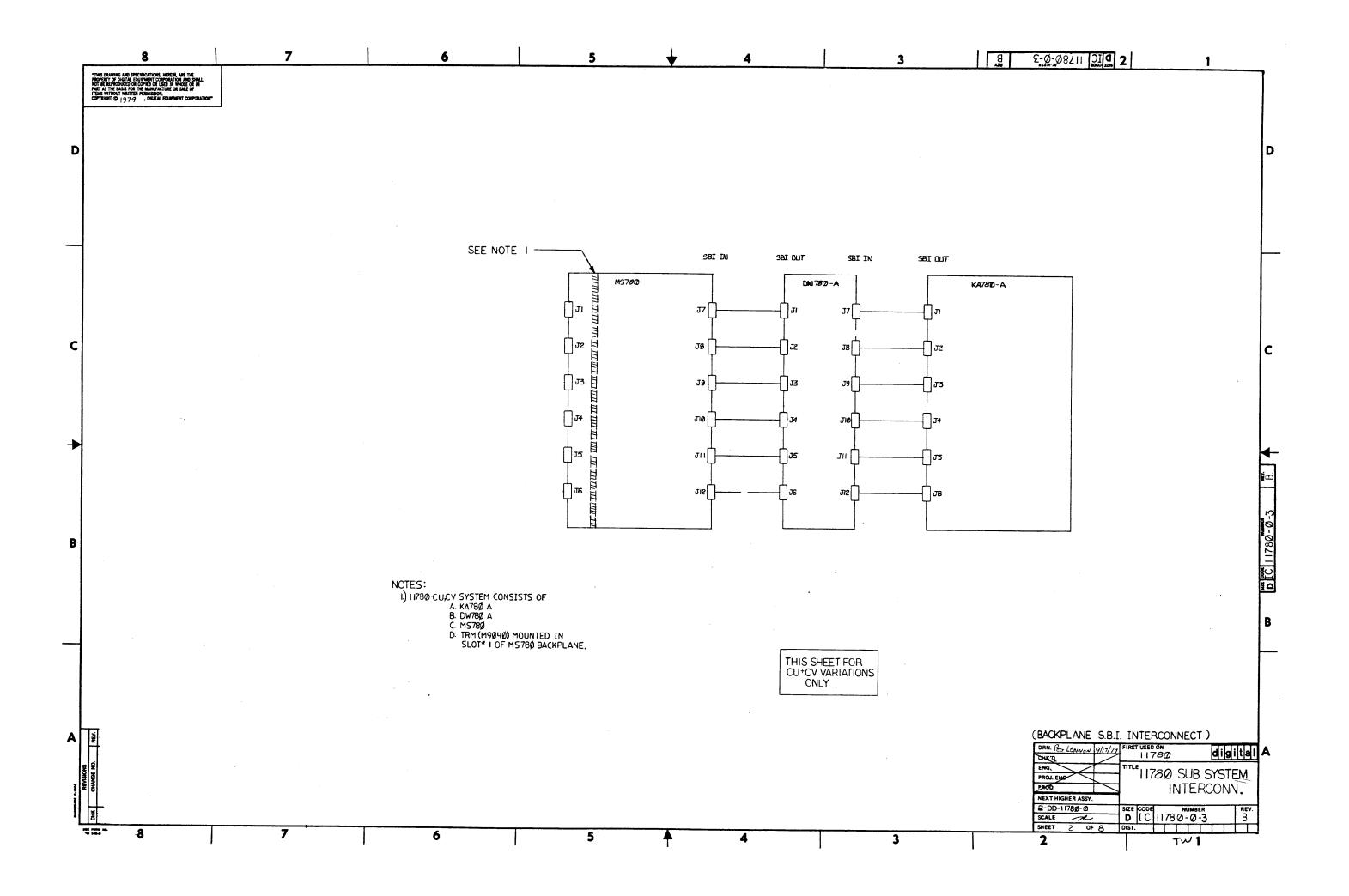


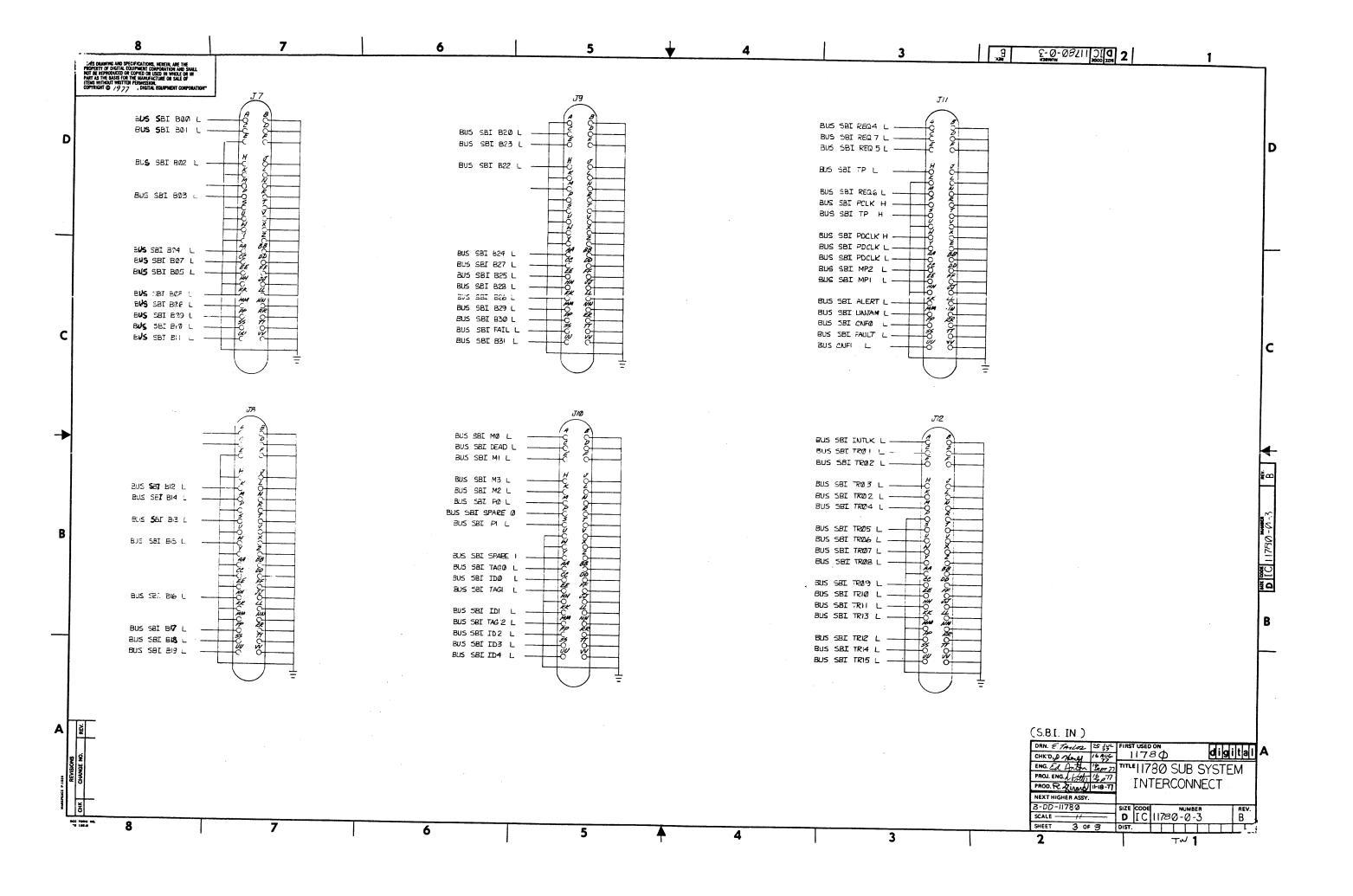
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| | DIGITAL EQUIPMENT | | - | | | QUANT | QUANTITY VARIATION | TION | | |
| | MAYN | MAYNARD, MASSACHUSETTS PARTS LIST | <u> </u> | <u> </u> | | | | | | |
| MADE BY DATE | BY W. FISHER | CHECKED D. HEALY SECTION | | | | | | | | |
| ENG DATE | frunct of | Je is | | 887 | - 88 2 - 9 82 | | | | | |
| ITEM NO. | DWG NO./PART NO. | DESCRIPTION | | | | | | | | |
| ı | E-IA-7013712-0-0 | CARD CAGE (MBA) | <u> </u> | 7 | - | | | | | |
| 2 | E-UA-H71ØØ-A-Ø | H71ØØ-A POWER SUPPLY 115V AC | <u>L.</u> | - | | | | | | |
| κ | E-UA-H71ØØ-B-Ø | H71ØØ-B POWER SUPPLY 23ØV AC | | - | 7 | | | | | |
| 77 | E-UA-M8275-Ø-Ø | MSI | | | 7-1 | | | | | |
| J. | E-UA-M8276-Ø-Ø | MIR | | i | , | | - - | | | |
| ŗĠ | D-UA-K8277-Ø-Ø | dű | | ri , | ч | | | | | |
| 7 | E-UA-M8278-Ø-Ø | мсь | | | 7 | | | | | |
| ω | D-UA-M9Ø41-Ø-Ø | MASS BUS PADDLE CARD | rd .: | | <i>-</i> i | | | | | |
| ογ | D-IA-7014103-0-0 | BIANK MODULE ASSY | S | 0: | α | | | | | |
| 10 | B-IA-7418902-0-0 | PLATE, STUD | 5 | | O | | | | | |
| 11 | B-MD-7418c03-0-0 | "U" BAR | 1 | r-i | ત | | | | | |
| 12 | B-MD-7/11,908/4-0-0 | PLATE, HOLDING | ٦ | | 7 | | | | | |
| 13 | B-MD-7419485-p-0 | COVER, BUS BAR | | 7 | 1 | | | | | |
| 7,7 | E-IA-7013627-0-0 | BACK PLANE ASSY (MBA) | 7 | гI | -1 | | | | | |
| 15 | 1212405-00 | CARD GUIDE SINGLE (NATURAL) | 9 | 9 | 9 | | | | | |
| 16 | 1212405-01 | CARD GUIDE SINGLE (MAGENTA) | 9 | 9 | 9 | | | | | |
| 17 | 9006610-00 | NUT, CAP RELOCK #10-32 | 8 | 8 | 8 | | | | | |
| 18 | 9006565-00 | NUT KEP #10 - 32 | <u> </u> | 8 | 8 | | | | | |
| 19 | 9008032-01 | SCR PH HD PAN #4 - 40 x .19 | 7 | | 4 | | | | | |
| 20 | 9006655-00 | WASH, FLAT, .31 o.d. x .12 id. x .03 | 7 | 7 | 77 | | | | | |
| 2 | 9006043-01 | SCR PH HD PAN 8 - 32 x 1,00 | 9 | 9 | 9 | | | | | <u> </u> |
| 22 | 00-0999006 | WASH. FLAT, .038 o.d. x .19 1d. x .06 | 9 | 9 | 9 | | | | | |
| TITLE | | ASSY NO. | ├─ | 3. | | NUMBER | ER | REV | | CO NO. |
| | (RH78Ø) | E-UA-RH78Ø-Ø-Ø | | ┰├- | | RH78 Ø-Ø-Ø | Ø | | 20 | 00003 |
| DEC FORM | RM | 7 70 7 | 5 | - |] | | | | 1 | 7 |
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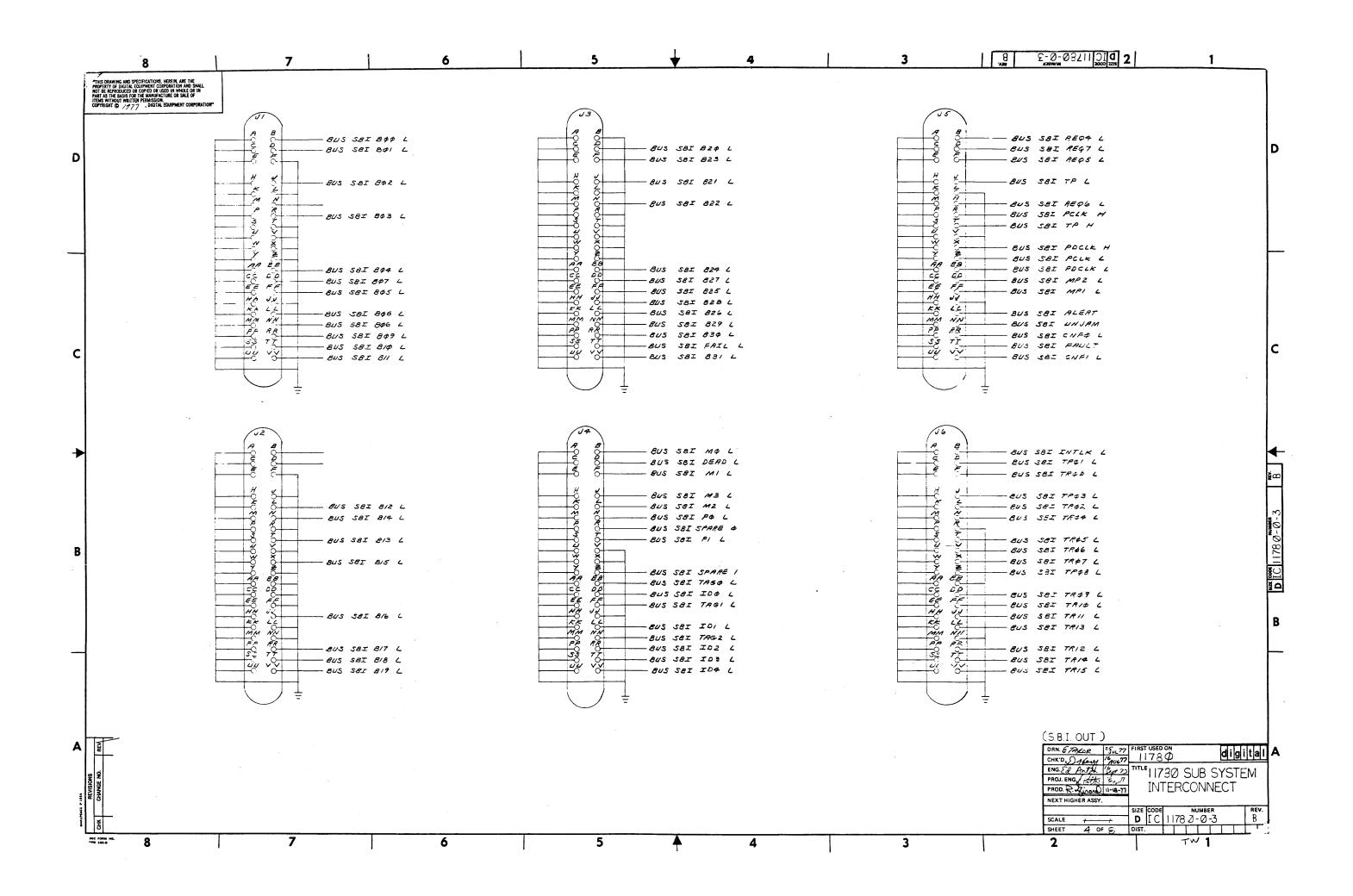
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|-----------------|----------------------------|--|-----------------------|----------------|------|-----------|--|--------------------|---------|------|---------|---------------|
| | | NRD, MASSACHUS PARTS LIST | ETTS | | | | | | | | | Γ |
| MADE BY DATE | BY W. FISHER 11 JUL 77 | 1 | D. HEALY 26 JUL 77 | SECTION 1 | | | | | | | | |
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| ITEM NO. | DWG NO./PART NO. | | DESCRIPTION | | | | | | | | | |
| 23 | 9006563-00 | NUT, KEP #8 - | 32 | | | 9 9 | 9 | | | | | |
| 24 | 9006073-01 | SCR, PH HD PAN #10 | M #10 - 32 x | 50 | | 10, | 30 30 | | | | | T |
| 25 | 9007506-00 | WASHER, LOCK SPLIT | SPLIT #10 | | | 10] | 10 10 | | | | | _ |
| 97 | 1211630-00 | CARD GUIDE | | | | 2 | CI | | | | | |
| 22 | D-IC-11780-0-3 | 1178ø sub system | TEM INTERCONNECT | ECT | | REFREFREF | FREF | | | | | |
| 28 | D-IC-1178Ø-Ø-2 | 1178Ø SYSTEM INTERCONNECT DIAGRAM | INTERCONNECT | DIAGRAM | | REFREFREF | FREF | | | | | |
| 59 | D-IC-1178Ø-Ø-1 | 1178Ø SYSTEM | SYSTEM POWER DIAGRAM | | | REFIREFRE | FREF | | | | | 1 |
| 30 | D-MU-RH78%-Ø-2 | FH78@ MODULE UFILIZATION | UPTLIZATION | | | REPREPREP | PREF | | | | | |
| 31 | 3613281-03 | LABEL, ADHESIV | ADHESIVE BACKED PRINT | NT (6 SLOT) | | 2 2 | 2 | | | | | |
| 32 | 7014212-ØM | CABLE AC, DC | LO | | | - | 7 | | | | | |
| 33 | C-MD-7419450-0-0 | COVER, M.B.A. BACKPLANE | ACKPLANE | | | _ | - | | | | | |
| 34 | 7014530-ØL | CABLE POWER (1 | (RED) | | | 2 2 | 2 | | | | | |
| 35 | 7014249-ØL | CABLE POWER (1 | (BLACK) | | | 2 | 2 | | | | | |
| 36 | 1700087-0-0 | COAX RIBBOM CABLE | ABLE (SBI) (4 | . in) | | د و | છ | | | | | |
| 37 | 7014212-Øн | CAPLE AG, DC 1.0 | r.o | | | - | 1 | | | | | |
| 38 | 1214314-00 | PLUG, JUMPER | | | | 9 9 | 9 | | | | | |
| 39 | 3615087-02 | • | | | | - | - | | | | | · |
| 40 | D-UA-BCO6R-10-0 | BCO6R I/O CABLE (10 | LE (10 ft) | | | 3 3 | 3 | | | | | |
| 4 1 | 7014213-0K | CABLE, OVER TE | TEMP | | | - | - | | | | | |
| 42 | 9009642-00 | SCR SEMS PH HD | D PAN #832 x | .25 | | 4 5 | 5 | | | | | |
| 43 | 3614747-00 | LABEL, MODULE | MODULE UTILIZATION | RH780 | | - | | | | | | |
| | | | | | | | | | | | | |
| TITLE | 1178Ø MASSBUS ADAPTOR ASSY | DAPTOR ASSY | ASSY NO. | | | CODE | | NUMBER | | REV | ECO NO. | |
| | (RH78Ø) | | | E-UA-RH78Ø-Ø-Ø | 4 | 7 | | RH78Ø-Ø-Ø | Ø-Ø- | ار | | |
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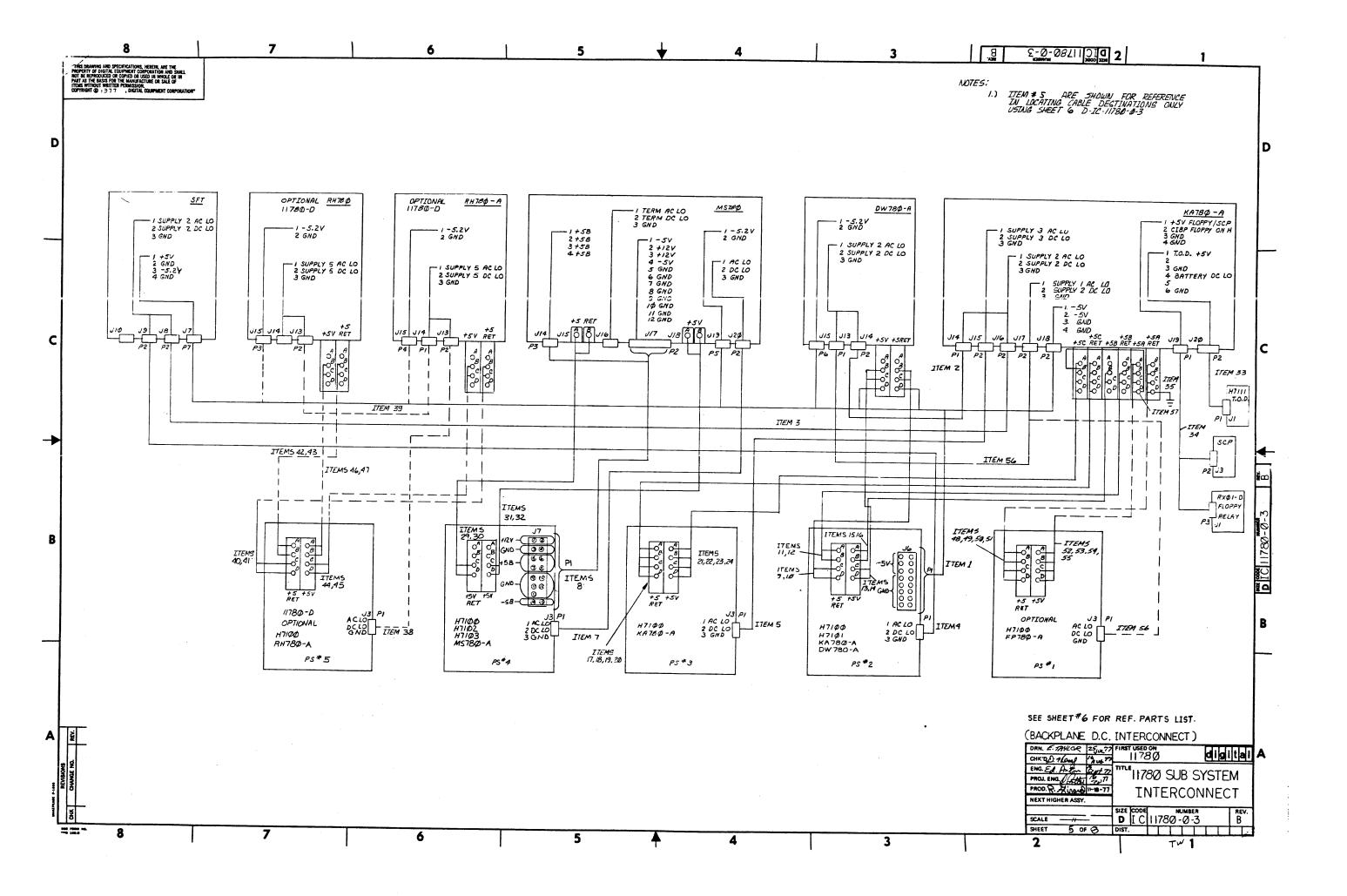


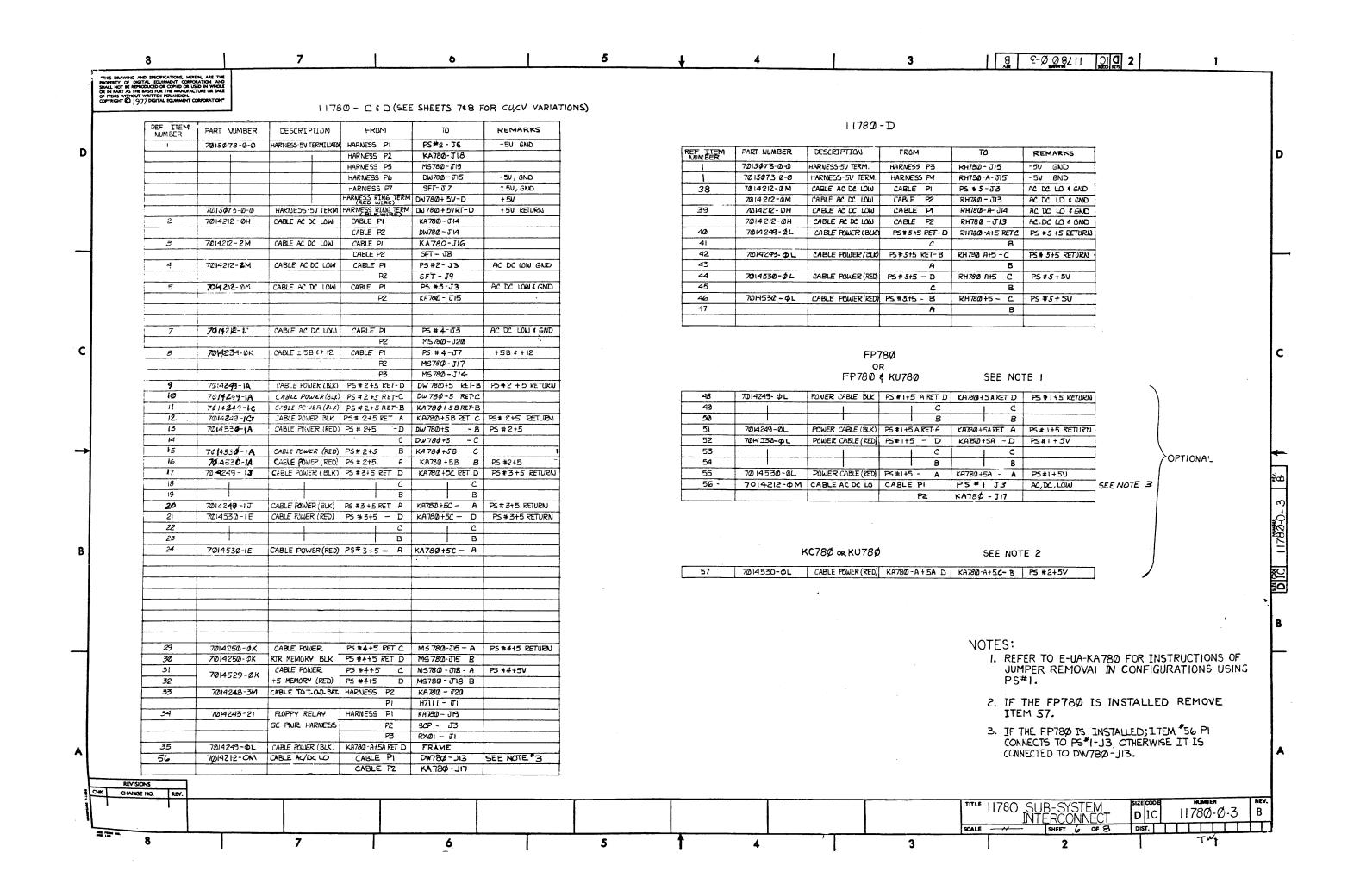


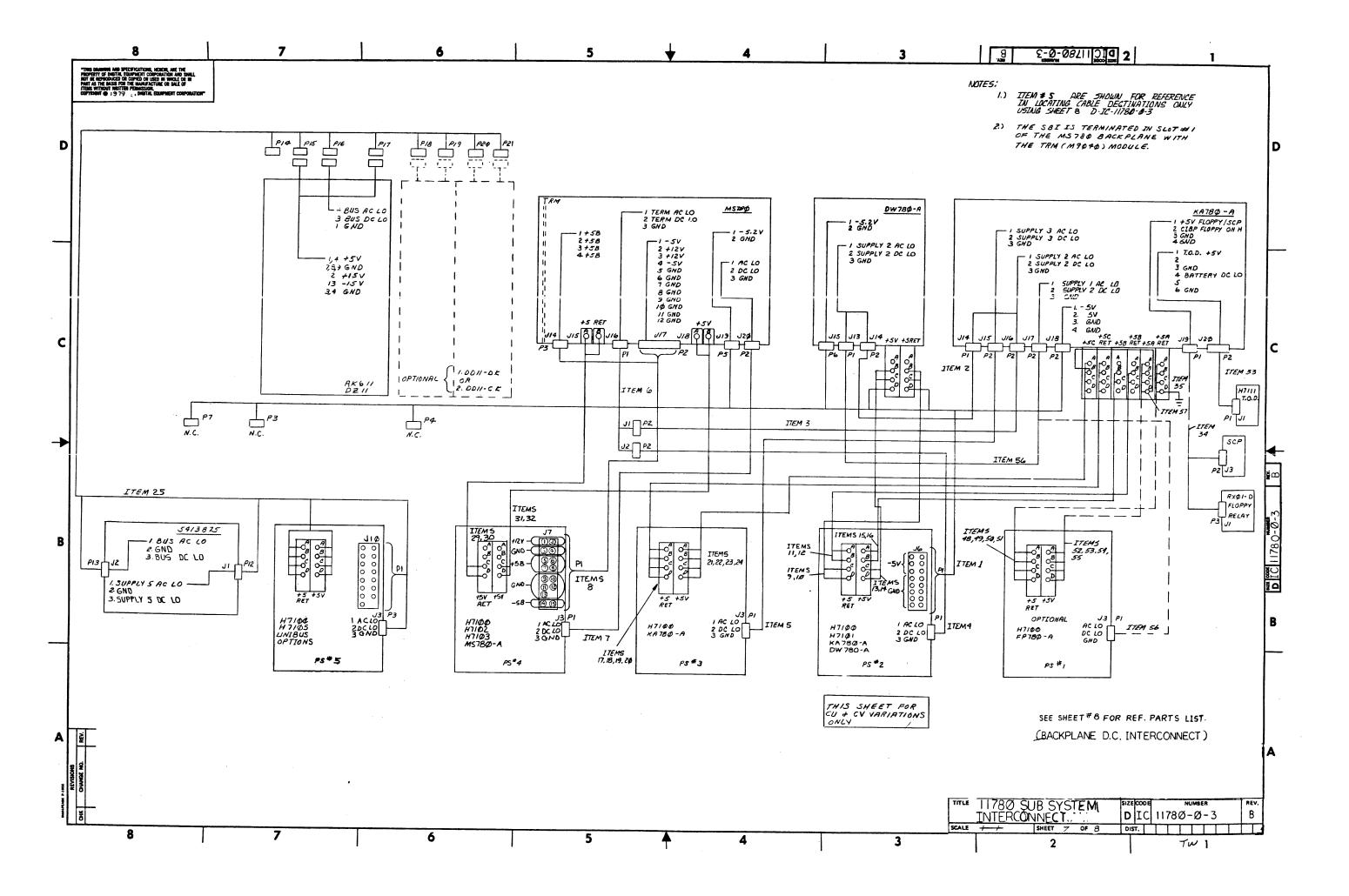


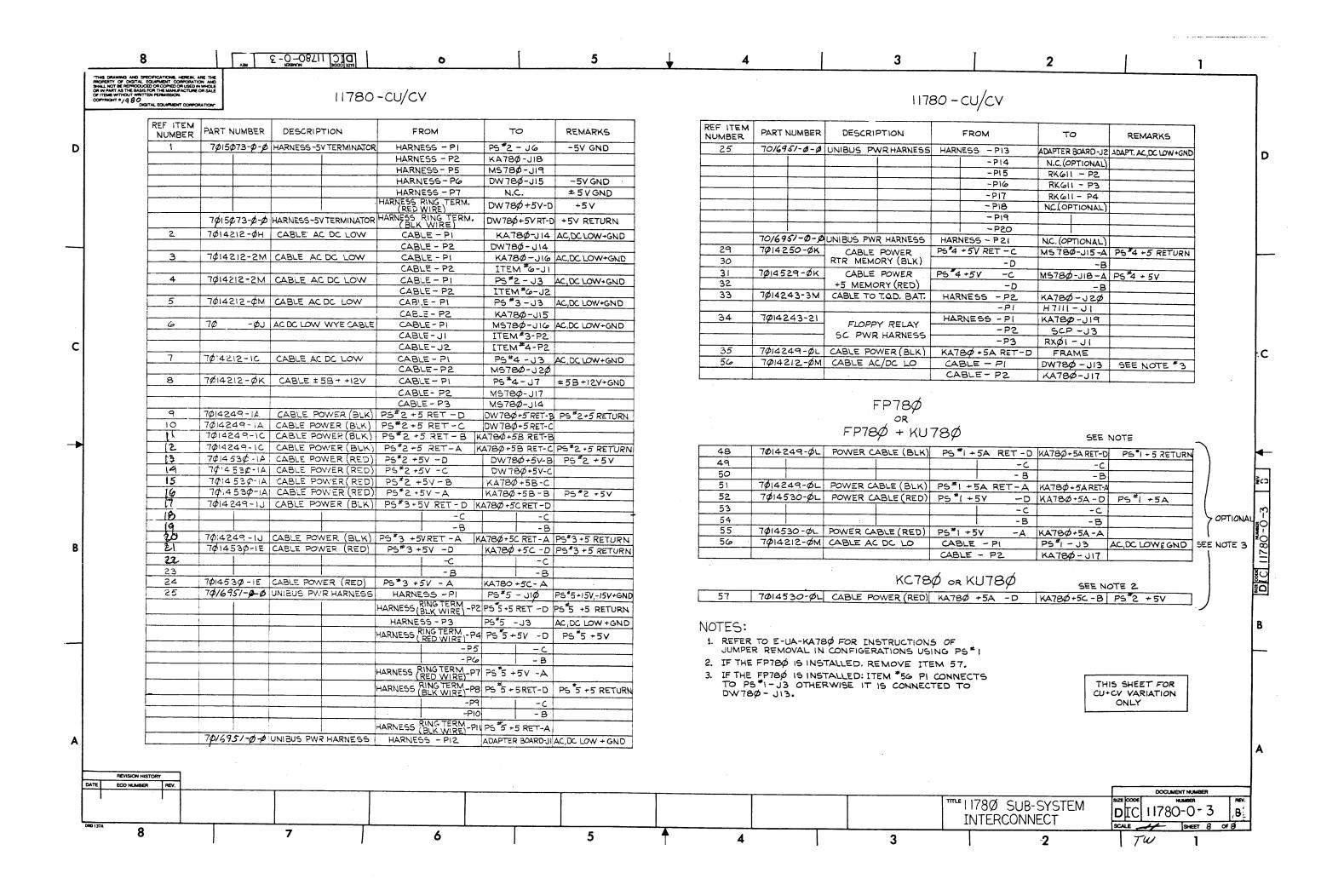


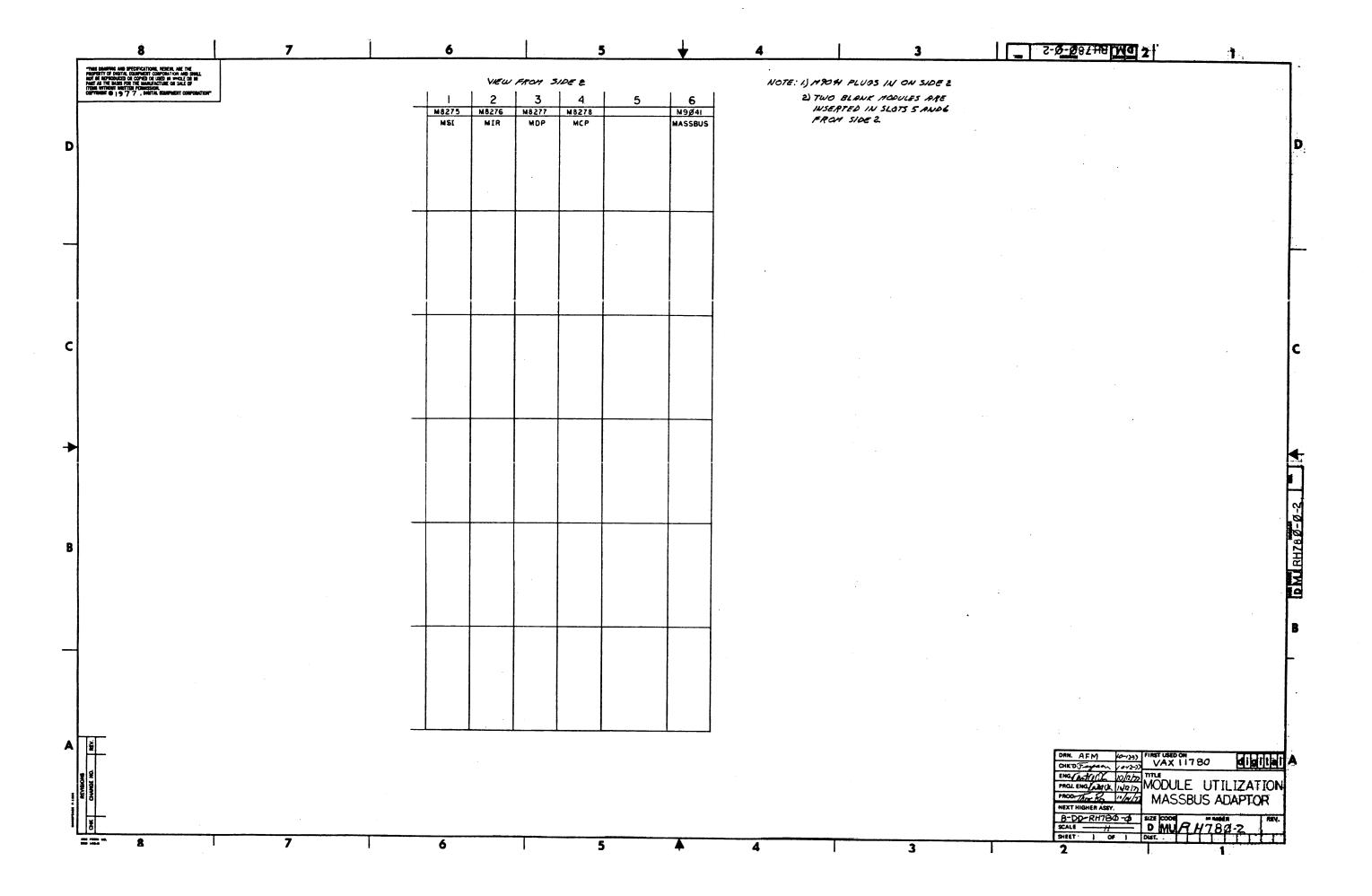


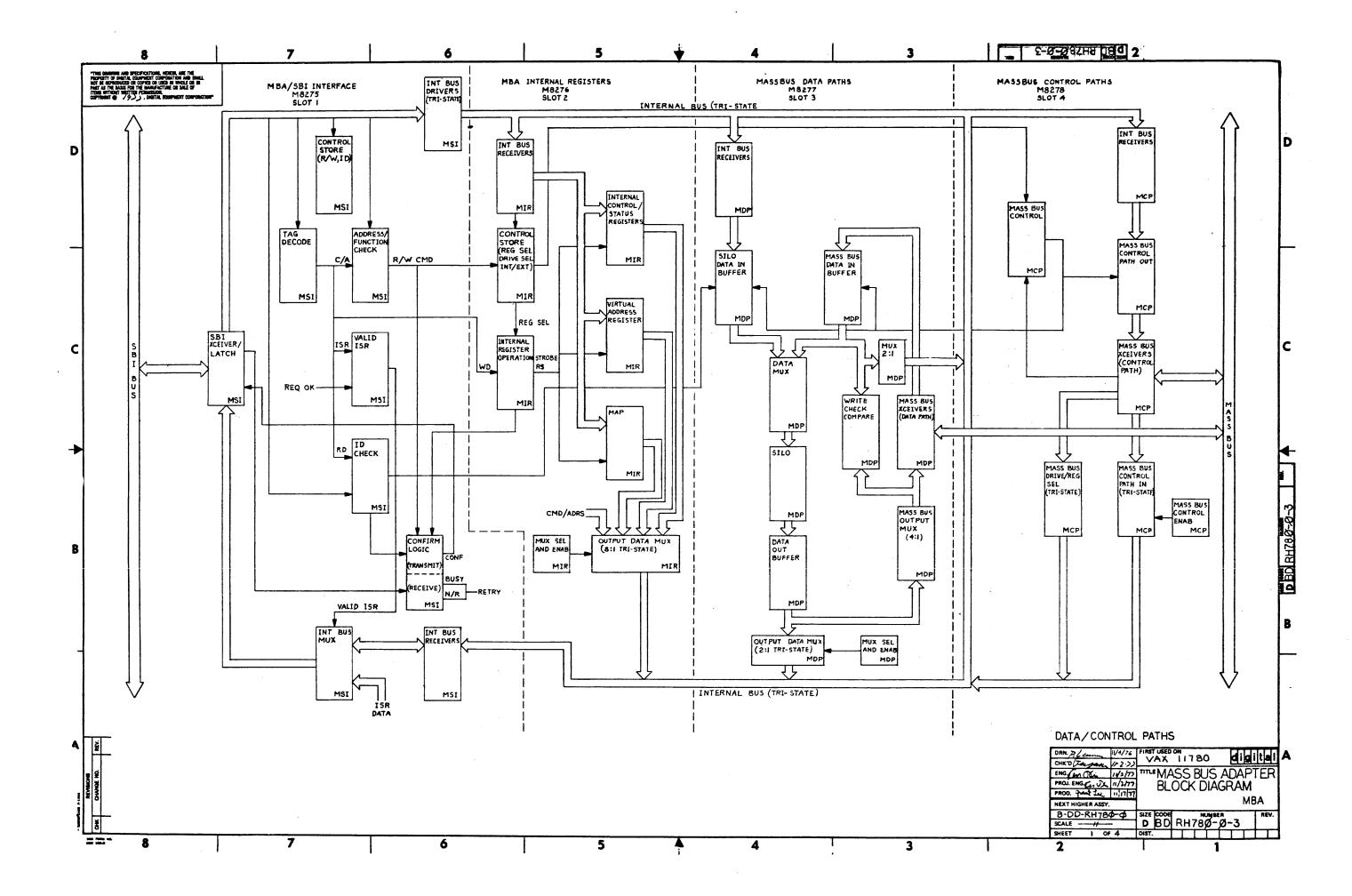


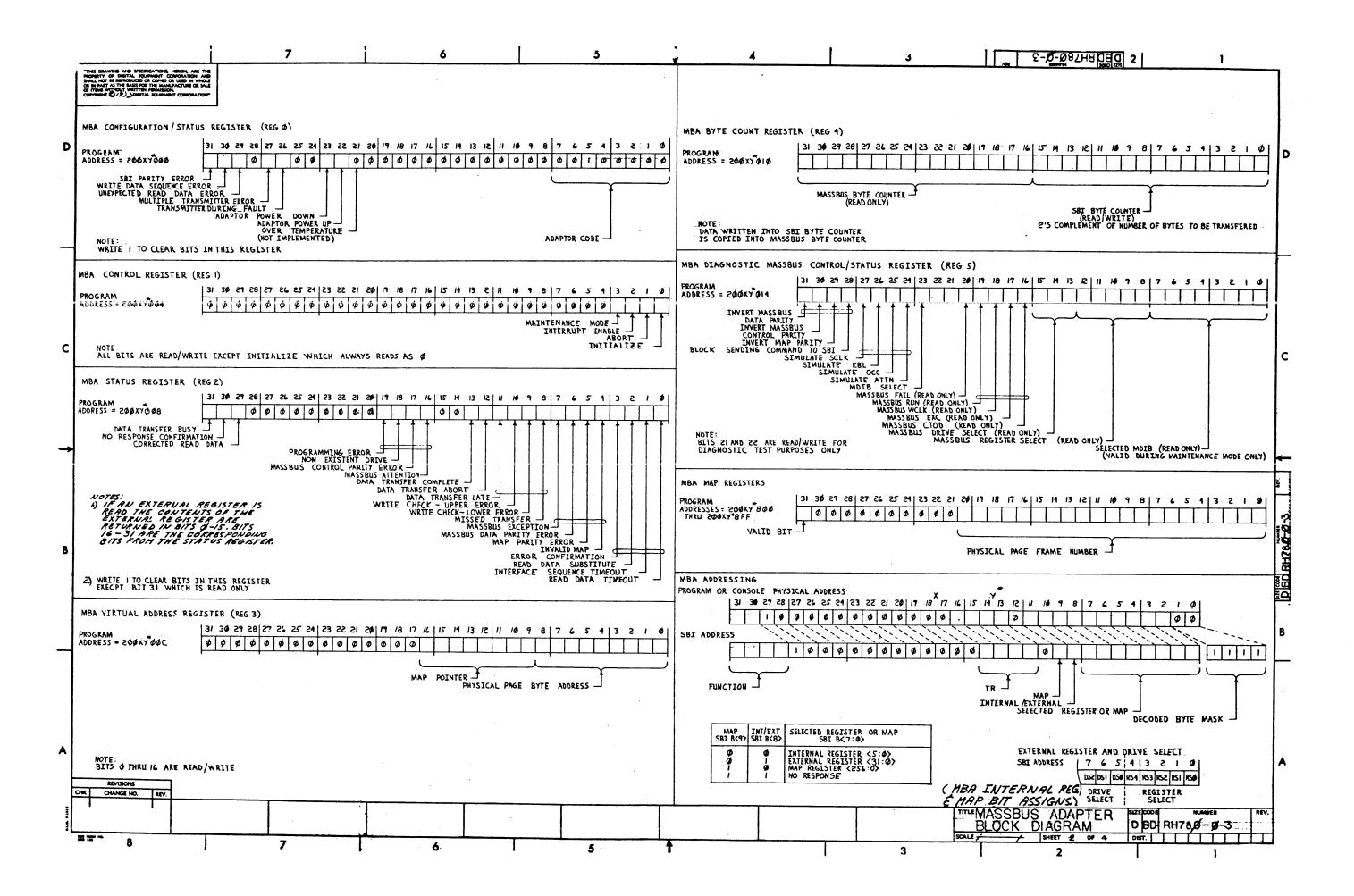






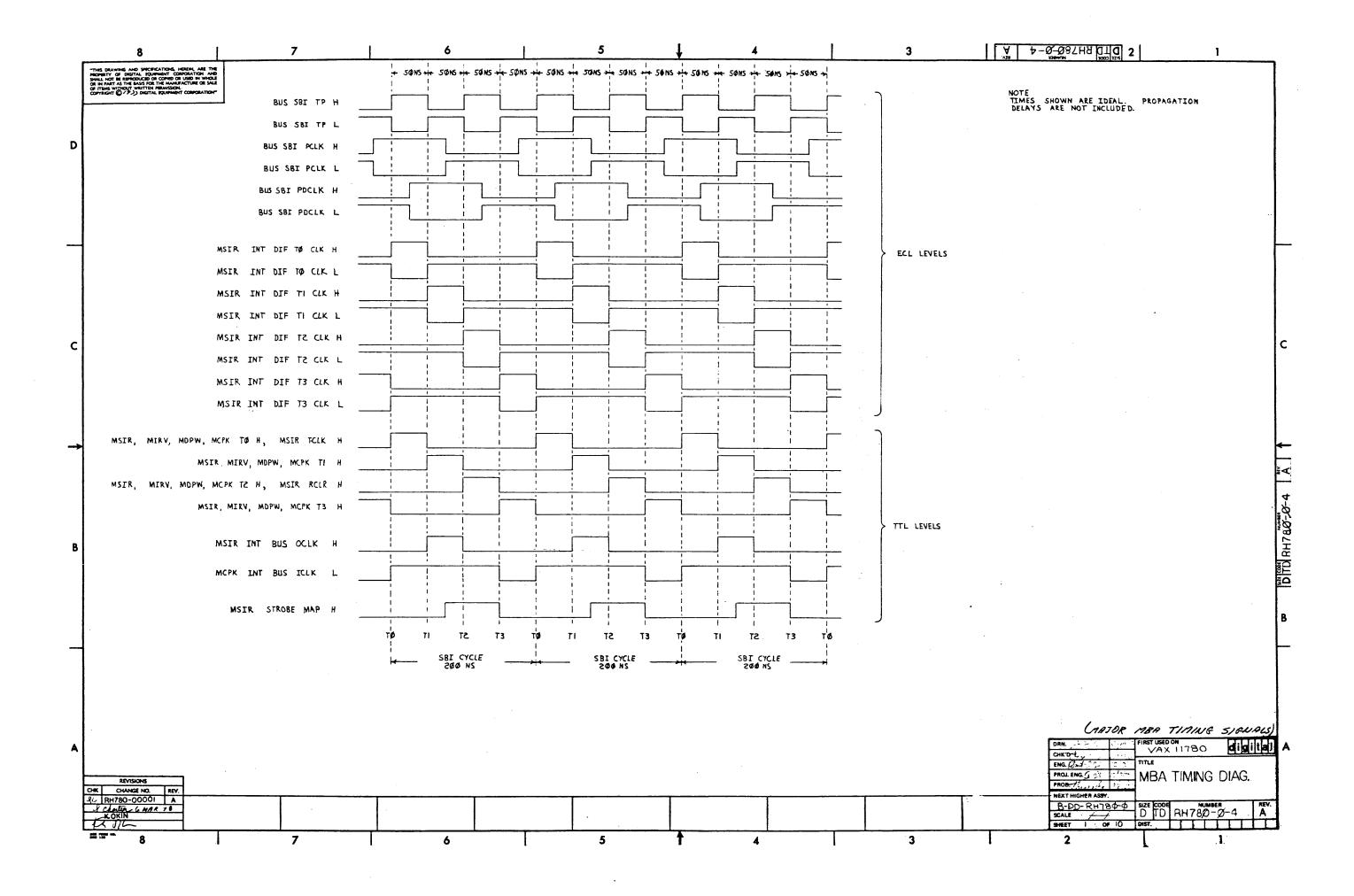


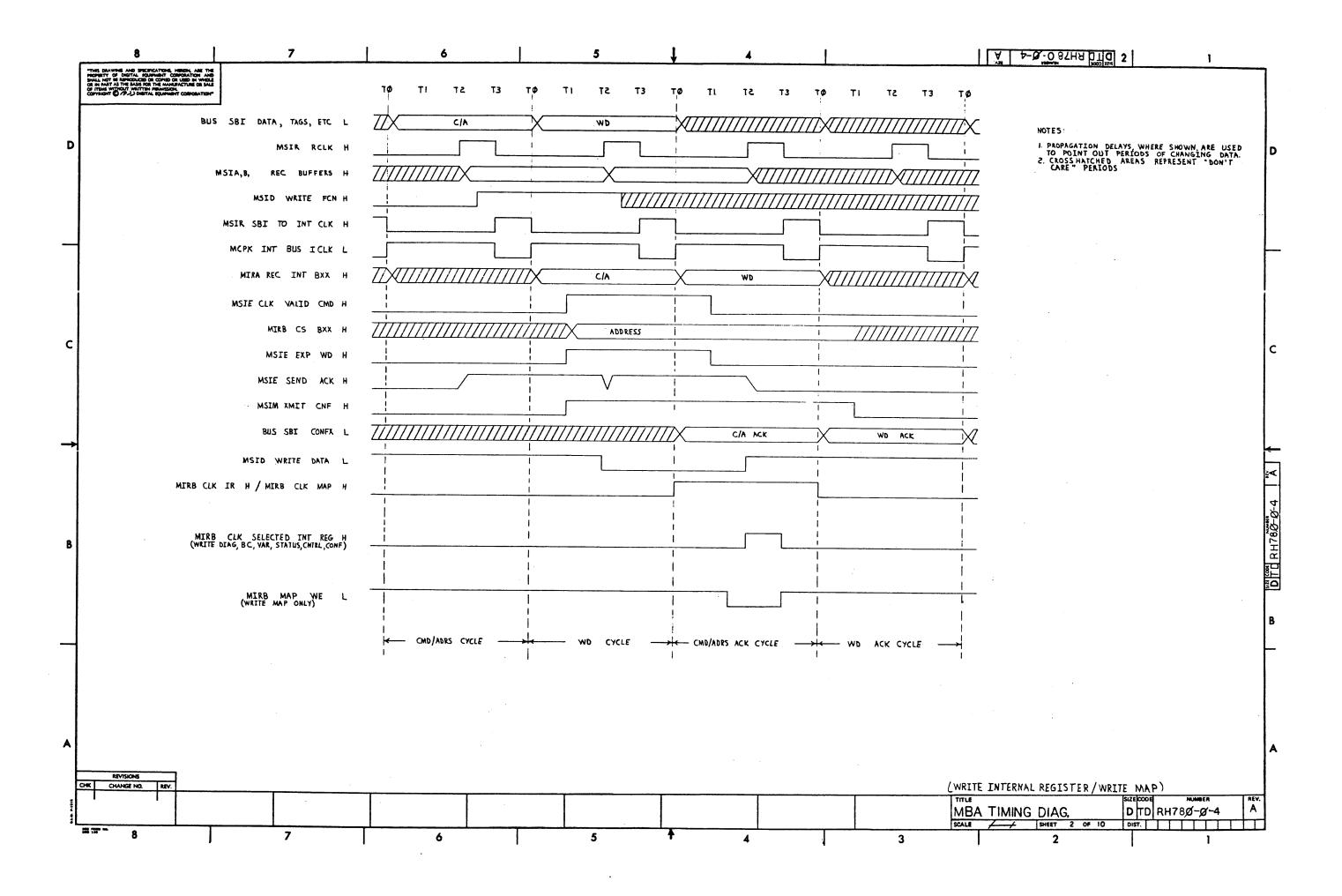


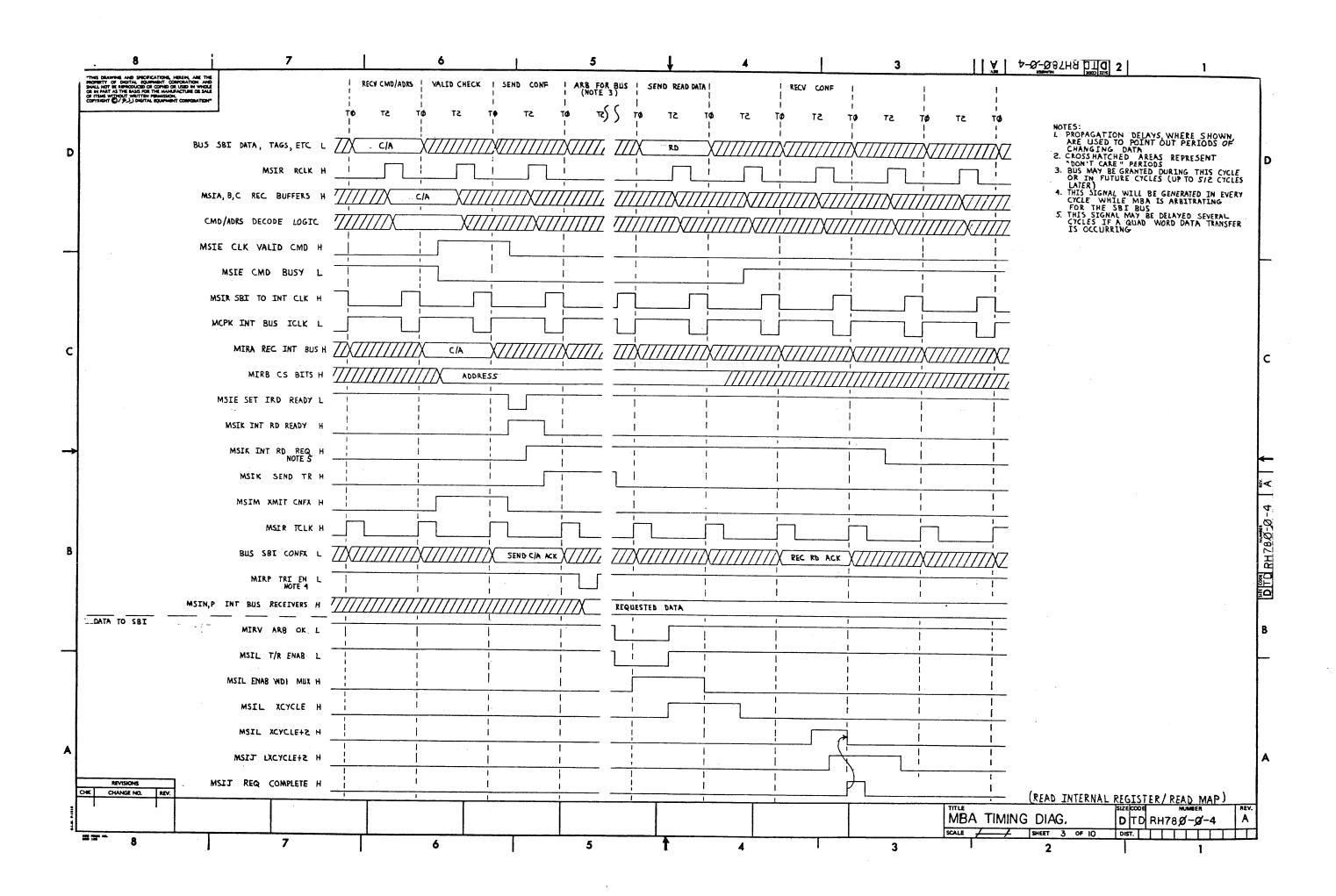


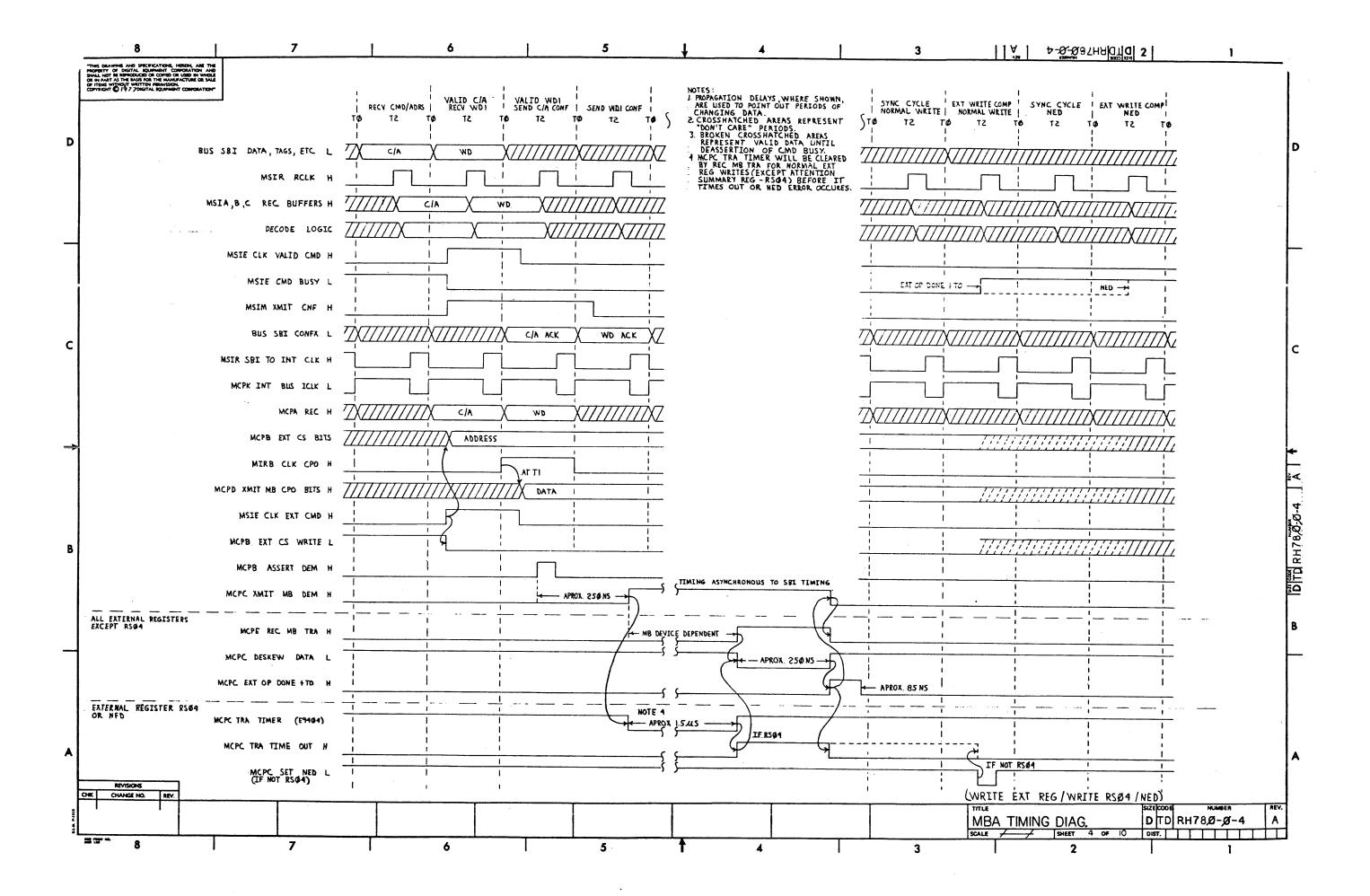
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| L | W12011 0 / 7// W1202 2007 2017 2017 2017 2017 2017 2017 | | MI | • | T.A.I | .e. | 140 | n | REVERSED. | |
| ı | SLOT | 1 | | .x 5 T 2 | MI Sli | OT 3 | MC Sto | P)T 4 | | ADDLE CARD |
| l | SIDE | SIDE 2 | SIDE I | SIDE 2 | SIDE | SIDE 2 | SIDE | I · SIDE 2 | SIDE 2 | OT 5 SIDE 1 |
| | BUS MBA INT BOO H . A | +5 V | BUS MEA INT BOO H | A +5 V | | A +5V | BUS MBA INT BOO H | A +5V | (+5V) NO COMMECTION | lal SIDE ! |
| l | | BUS MBA INT BOL H | MOPA VAR BYTE CHT L | | | B BUS MBA INT BO! H | MASS FAIL H | B BUS MBA INT BOI H | (+3 4) 10 CONTECTED | B MASS FAIL H |
| ı | BUS SBI BOI L | GND | MIRJ INV MBCPO PAR H | C GND | MDP GRTST L | C GND | MIRJ INV MBCPO PAR H | C GND | GND | c . |
| ı | | BUS MBA INT BOS H | MCPB DT-REV H . | D BUS MBA INT BOS H' | MCPB DT REV H | D BUS MBA INT BOZ H | MCPB DT REV H | D BUS MBA INT BOZ H | | D |
| | | BUS MBA INT BOS H | | E BUS MBA INT B#3 H | MCPA SET DT COMPLETE L | E BUS MEA INT BOS H | MCPA SET DT COMPLETE L | | | Ε |
| l | | MSID WRITE FCN H | | F MSID WRITE FCN H | MASS SP2 + | F MASS SP2 - | | F MSID WRITE FON H | MASS SPZ - | F MASS SPZ + |
| | | BUS MBA INT BØ4 H MBA INTR CODEØ H | | H BUS MBA INT BO4 H J MOPF SET MOIB FULL L | GND WARE DEC MED OF II | H BUS MBA INT BOA H | | H BUS MBA INT BOO H | | H GND |
| | | MIRE PGM INIT L | | K MIRE PGM INIT L | MOPE REC MBD PE H | MDPF SET MDIB FULL L | MASS DEM (+) | J MASS DEM (-) | MASS DEM - | J MASS DEM + |
| | A | BUS MBA INT BOT H | BUS MBA INT BOG H | L BUS MBA INT BOT H | A BUS MEA INT BOG H | L BUS MEA INT BOT H | | K MIRE PGM INIT L L BUS MBA INT BØ7 H | · | K . |
| | | BUS MEA INT BOO H | | M BUS MEA INT BOS H | | M BUS MEA INT BOO H | | M BUS MBA INT BOB H | | L. |
| | | GND | | N GND | MDPS DIAG INT BUS EN H | | MDPS DIAG INT BUS EN H | | GND | W |
| | BUS SRI BØ4 L P | BUS SRI BO7 L | MDPA .VAR CNT H | P MIRF VAR BITOS H | MDPA VAR CHT H | P MIRF VAR BITOZ H | MASS DS2 (-) | P MASS DSZ (+) | | P MASS DS2 - |
| | | BUS MEA INT BOO H . | | R BUS MBA INT BOT H | BUS MBA INT BIO H | R BUS MEA INT BOO H | BUS MBA INT BIO H | R BUS MBA INT BOP H | | R |
| | | BUS 281 808 L | | S MIRF VAR BITOL H | VSI+ | S MIRE VAR BITOL H | | S MASS DSI (-) | MASS DSI - | S (+IZV) NO CONNECTION |
| | | BUS SBI BOY L | GND | T MIRF VAR BITOO H | GND | T MIRF VAR BITOO H | | T MASS DSI (+) | MASS DS1 + | T GND |
| | | BUS SBI BII L | 157 | UI DUS 14BA 7UT BU II | | וע | | U MASS TRA (-) | MASS TRA - | U MASS TRA + |
| | ++ - | | | V BUS MBA INT BIL H | +5V | V BUS MBA INT BIL H | | V BUS MBA INT BIT H | | V (+5V) NO CONNECTION |
| | SIDE | SIDE 2 | SIDE I | SIDE 2 | SIDE I | SIDE 2 | SIDE I | SIDE 5 | SIDE 2 | SIDE I |
| | MIRV PWRF INIT L A | +5V | MIRV PWRF INIT L | 4 +5V | MIRV PWRF INIT L | A +5V | MIRY PWRF INIT L. | A +5V | (+5V) NO CONNECTION | A |
| l | | MBA TR SELC L | | B MBA TR SELC L | | 8 | MASS DSØ (+) | B MASS DSØ (-) | MASS DSØ - | B MASS DSØ + |
| | MCPB DT GO L C | GND | MCPB DT GO L | GND | MCPB DT GO L | C GND | MCPB DT GO L | GND | GND | C |
| | | MBA TR SELA L BUS MBA INT BIS H | | D MBA TR SELA L | MCTC IIV TANA | D | | MASS OCC (+) | MASS OCC + | D MASS OCC - |
| | | SUS SEL BIS F | | E BUS MBA INT BI3 H F MDPV REC MB SCLK H | MSIC UNJAM L | E BUS MBA INT BIS H | | BUS MBA INT BIS H | | E |
| | | 3US S 8I 8 13 L | | H MDPA RUN H | GND WENT THE DIC H | F MDPV REC MB SCLK H | | F MDPV REC MB SCLK H H MDPA: RUN H | · | F |
| | | BUS SBI BIS L | | 71 | GNV | TI HUIR KUN A | | MASS CPA (-) | MASS CPA - | H GND |
| ŀ | BUS MEX INT BIA H K | BUS MBA INT BIS H. | BUS MEA INT BIA H | K BUS MBA INT BIS H | BUS MBA INT BIA H | X BDS MBA INT BIS H | | K BUS MBA INT BIS H . | MR33 CFK = | J MASS CPA + |
| | BUS MBK INT BIG H . E | -5V | BUS MBA INT BIG H | L -5V | BUS MEA INT BIG H | 1 -5V | MASS CIS (-) | -2A | (-SV)NO CONNECTION | L MASS CIST - |
| | | H OW 9X3 312N | MSIE CLK VALID CMD H | H DW 1X3 312M | | M | | MASS CI4 (+) | MASS CIA + | M MASS CIS + |
| l | | GND | BUS MBA INT BIT H | GND | BUS MBA INT BIT H | | MASS C14 (-) | GND | GND | N MASS CH - |
| | | MSIF CLK DIBI H | BUS MBA INT BIB H | P | BUS MEA INT BIE H | | | MASS CI3 (+) | MASS CI3 + | P MASS CI3 - |
| | | MSIF SET CORRECT RD L | | MSIF SET CORRECT RD L | MSIF CLK DIBS H | R MDPA EOS H | | MASS CIS (-) | MASS CIZ - | R MASS CIE + |
| | | BUS SBI BIG L | | S MCPA SET MXF L | | S MASS DIZ + | | MCPA SET MXF L | + SIG 22AM | S MASS DIZ - |
| | | BUS SEI BI9 L | | MCPF REC MB ATTN H | MASS DI3 + | II MASS DID | GND | MCPE REC MB ATTN H. | | T GND |
| | | BUS MBA INT BIP H | | BUS MBA INT BIR H | | WIMASS DI3 - WBUS MBA INT BI9 H | +2/ | UNITET CIMINATE COCC. II | MASS DI3 - | U MASS DI3 + |
| | | | | | | | | MIRT SINULATE OCC H | | V (+5V) NO CONNECTION |
| | SIDE | SIDE S | 210E | SIDE S | SIDE ! | SIDE 2 | SIDE I | SIDE 2 | SIDE S | SIDE I |
| | | +5 V | BUS MBA INT BZ # / | | BUS MBA INT BZO H | A +5'V | | 1 +5V | (+5V) NO CONNECTION | A |
| | | MSIF SET RD SUB L | | MSIF SET RD SUB L | MASS DI4 - | B MASS DI4 + | MBA DISABLE MXF L | 3 | | B MASS DI4 - |
| | BUS 281 821 L . C | GND | MIRJ SIMULATE ATTN H | | MIRD MB EXC+MOPE H | | MIRJ SIMULATE ATTN H | | .GND | C . |
| | BUS ABY INL BSI H E E | BUS MBA INT B23 H | | MIRD MB EXC+ MDPE H | MASS DIS + | D MASS DIS - | MIRD MB EXC + MDPE H | | | D MASS DIS + |
| | BOO WON THE ISCI H IS I | OND WEN THE DCS H | | BUS MBA INT BEST H | BRZ WBY INT BSI H | E BUS MRA INT BES H | | | | E |
| | GND HE | BUS MBA INT BEZ H | | H BUS MBA INT BSS H | MASS DIG - GND | F MASS DIG + | | MCPB DT CMD H | | F MASS DIG - |
| | | MSIE CLK ENT READ H | | MCPB DT BUSY L | MASS DI7 + | H SS8 TMI A9M 2UB H | MSIE CLK EXT CMD H | HICTE CIN FYT COLD !! | | H GND |
| | BUS MRA INT B24 H K | BUS MBA TOT BET H | | BUS MBA INT BET H | | K BUS MBA INT B27 H | | MCPB DT BUSY L | MASS DI7 - | J MASS DI7 + |
| | BUS WEN INT BES H L | BUS MBA INT BS8 H | BUS MBA INT BS5 H | BUS MBA INT BZ8 H | BUS MBA INT BES H | L BIR WAY INT BS8 H C | L'ON WEE MO LUTE IL | AWELD NI DROLF | . ———— | |
| | | MSIK HOLD TR H | MSIK HOLD TR H | 4 | MASS DPA - | MI MASS DPA + | | | MASS DPA + | M MASS DPA - |
| | | GND | MCPA REC MB EXC H | GND | MCPH REC MB EXC H | N GND | MCPH REC MB EXC H | GND | GND F | N SUNGS DEN - |
| | BUS SEI BEG L P | BUS SBI B27 L | | 2 | | P MASS SPI - | | <u> </u> | | P MASS SPI + |
| | BUS MBA INT 836 H S | BUS MBA INT B29 H | | BUS MBA INT BER H | BUS MBA INT BS6 H | R BUS MBA INT BE9 H | | MASS INIT (-) | mass init - | R MASS INIT + |
| | | BU2 281 858 T | | MDPT WCK LOWER ERRH | | S MOPT WCK LOWER ERR H | | MASS RSZ (+) | MASS RS2 + | S MASS RSZ - |
| | | BR 281 831 F | | MIRF GR TST L | | T MIRD MB ABORT INMH | | MIRD MB ABORT IMM H | | T GND |
| | | BUS MBA INT B31 H | | BUS MBA INT B31 H | | U MCPB DT BUSY H | | MASS RS1 (+) | | J NASS RSI - |
| ۲ | REVISIONS | | 134 | | 701 | AI PRO MON THE BOL W | +54 | MCPB DT BUSY H | | Y (+5V) NO CONNECTION |
| ľ | CHK CHANGE NO. REV. | | • | | | | | | / #64 mm = | |
| Γ | | | | | | · · · · · · · · · · · · · · · · · · · | | TITLE NA A C C COL | <i>(1184 etched B.</i> Is adapter suee | |
| | 1 | | | | | į. | | MINOSB(| | BD RH78Ø-Ø-3 |
| L | | | | | ' | | | SCALE / | <u> </u> | |
| | ## # 8 | 7 | | 6 | 5. | <u> </u> | 3 | | 2 | |
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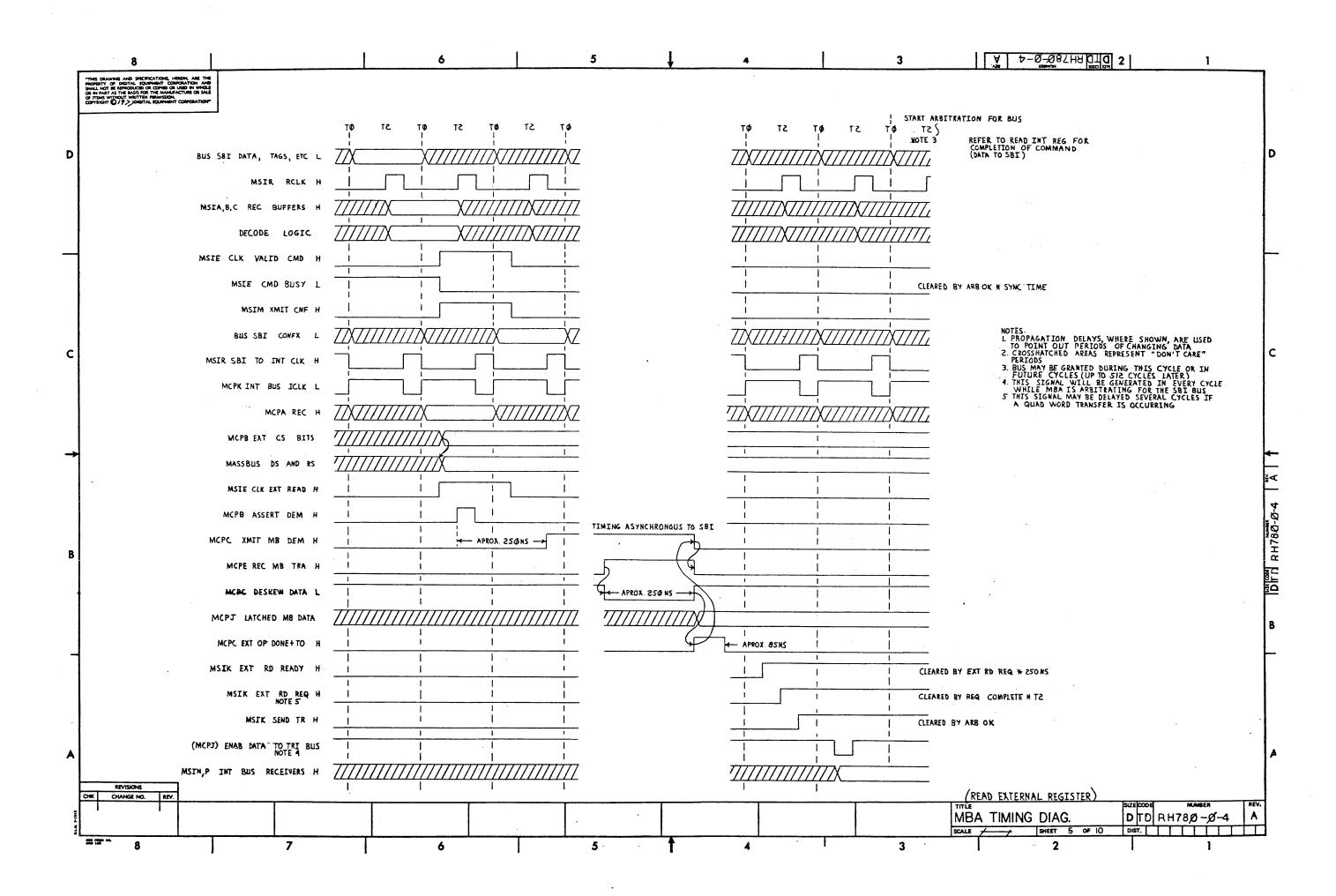
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| | THE OPACHING AND SPECIFICATIONS, MEREN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SMALL NOT BE REPRODUCED ON COPING ON USE IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SMALL OF THEM SHOULD WRITTEN PREMISSION. COPPRIGHT © /77 7 DIGITAL EQUIPMENT CORPORATION | | | | | | | | MOTE: THIS CONNECTOR CARE THE PIN SIDE OF T SIDE I PINS AND SI REVERSED. | HE BROKENEL |
| ŀ | MSI MSI | J | M1 Si | R OT 2 | | MDP SLOT 3 | | C P | MASSBUS PA | |
| | SIDE I MIRC INTERRUPT CPU L A | SIDE S | SIDE I | SIDE S | SIDE I MDPF LAST MB DATA | SIDE 2 | SIDE 1 | or 4 SIDE 2 | SIDE 2 | SIDE I |
| P | BUS SBI MO L B | GND | MIRC INTERRUPT CPU L | 8 | MASS EBL + MIRE MB MAINT MODE | B MASS EBL - | MDPF LAST MB DATA H | В | MASS EBL - | B MASS EBL + |
| l | | BUS SBI M3 L | | D MOPT WCK UPPER ERR H | MIRH BLOCK DATA LATE ! | D MOPT WCK UPPER ERR H. E MIRD MB DATA+WCK ERR L | MIRE M8 MAINT MODE H MASS RSØ (4) | D MASS RSØ (-) | MASS RSØ - | D MASS RSØ + |
| 1 | | BUS SBI PO L | MSIK CMD REQ L | F MIRT SIMULATE EBL I | MSIK CMD REQ L | F MIRJ SIMULATE ERL H | MASS EXC (-) | F MASS EXC (+) | MASS EXC + | E MASS EXC - F MASS CII + |
| l | Ţ | MSIJ SET N/R CHF L | | J MIRI SIMULATE SCLK H | | H MIRH SEI BYTE CNTR-OH J MIRJ SIMULATE SCLK H | MASS (10 (-) | MIRH SBI BYTE CMTR=0 T MASS CIØ (+) | MASS CID + | J MASS CIO - |
| 4 | MSIK SEND TR H LI | MSIJ SET ERROR CHE L | MSIK SEND TR H | L MSIJ SET ERROR CHF L M MSID WRITE DATA L | D MASS DOG - | L MASS DOG + | MASS (09 (+) MSIK SEND TR H | K MASS CO9 (-) L MCPB DT FWD H | D MASS CO9 - | K MASS CO9 + |
| | BUS SBI TAGIL N | GND BUS SBI IDØ L | MIRV MB FAIL L MIRD SBI ABORT IMM H | N GND | MASS DOT + MSIR STROBE MAP H | M MASS D67 - N GND | MIRV MB FAIL L | M GND | MASS DØ7 - | M MASS D&7 + |
| | MSIR STROBE MAP H R | | MSIR STROBE MAP H | R MCPA SET DT ABORTED L | MASS DØ9 + | P MASS DØ8 + R MASS DØ9 - | MIRD SBI ABORT IMM H | R MCPA SET DT ABORTED L | MASS DØB + | P MASS D68 - |
| j | GND T | BUS SBI ID2 L BUS SBI ID4 L | GND | T MSIR INT BUS OCLK H | MASS DIG - | | GND | T MSIR INT BUS OCIK H | MASS DIG + | S MASS DIG - |
| | +5V V I | MCPK INT BUS ICLK L., | +57 | N WCLK INT BR ICIK F | | A WCLK INL BRZ ICTK F | +5٧ | U MCPK INT BUS ICLK L | MASS DI/ - | WASS DII + |
| c | SIDE I MSIH PARITY FLT H | SIDE Z | SIDE / | A +5V | SIDE I | SIDE 2 | SIDE 1 MASS CØG (-) | SIDE 2 | SIDE 2 | SIDE I |
| | BUS SBI REQ4 L B M | MSIH UNEXP RD FLT H GND | MOPF GATED SCLKITS H | B MSIH UNEXP RD FLT H | MOPF GATED SCLKITS A | | MASS CØG (+) MASS CØ7 (-) | A +5 V B MASS CO7 (+) | (+5V) NO CONNECTION MASS COT + | A MASS C# - B MASS C# + |
| | BUS SBI REQG L DI | BUS SBI REQ7 L MSIR INT DIF TI CLK L | MOPK DATA LATE H | D MOPK DATA OVERFLOW H | MOPE DATA LATE H MSIR INT DIF TI CLE H | DI MOPK DATA OVERFLOW H | MASS COB (-) | C GND D MASS COB (+) | GND MASS COB + | C MASS COT - D MASS COB - |
| | BUS SBITP H F | BUS SBI TP L BUS SBI PCLK H | | F H MIRB CLK CPO H | MASS RUN + | F MASS RUN - | | E MSIR INT DIF TI CLK H | MASS RUN - | F MASS RUN + |
| → | -5V K | BUS SBI PDCLK H | -5V | J MDPA CMD CONDITION H | MASS WCLK - | J MOPA CMD CONDITION H | | H MIRB CLK CPO H | MASS WCLK + | A WASS MCTK - |
| ļ | MSIR INT DIF T3 CLK H L M | MSIR INT DIF T'S CLK L | MSIR INT DIF T3 CLK H | L MSIR INT DIF T3 CIK L | | MSIR INT DIF TO CIX L | | K MASS CTOD (+) L MSIR INT DIF T3 CLK L | E MASS CTOD + | K (-54) NO CONNECTION |
| | MCPB DT READ H N. | GND MSIH XMITTED FLT H | MIRT INV MEDATA PAR H | V GND P MSIH XMITTED FLT H | MIRJ INV MBDATA PAR I | HN GND | MASS RS4 (-) MASS ATTN (+) | M MASS RS4(+) M GND | MASS RS4 + GND | M MASS RS4 - N MASS ATFN + |
| • | MSIR INT DIF TO CLK H R M MSIH SET IS TIMEOUT L S E | ISIR THE DIF TO CIKI | | R MSIR INT DIFTS CIK L | | R MSIR INT DIF 72 CLK L S MCPA BLOCK SEAD CMD L | MSIR INT DIF TE CLK L | P MASS ATTN (-) R MSIR INT DIF TZ CLK H | MASS ATTN - | R |
| l | GND TE | BUS SBI CNFI L MSIR INT DIF TO CLK H | GND | N WZIK INL DIŁ 18 CTK H | MASS SCLK + | T MASS SCLK - | GND | S MASS RS3 (-) T MCPA BLOCK SEND CMD L | MASS RS3 - | S MASS RS3 + |
| В | +5V V M | ASIR INT DIF TO CLK L | +51 | A WEIK INT DIE LOCTK F | | W MSIR INT DIF TO CLK H | MCPC SET NED L | U MSIR INT DIF TO CLK L | | U MASS SCLK + V (+5V) NO CONNECTION |
| | SIDE I | +2A | MSIM SET RO TIMEOUT L | SIDE 2 | SIDE 1 | N +SA | SIDE I | SIDE 2 | SIDE 2 | STDE ! |
| | MDPL BYTE MASKI-3 H B N | HIRD IS TIMEOUT H | BUS SBI TROOL | B MIRD IS TIMEOUT H | MDPL BYTE MASKI-3 H | BIMCPH REC CTOD H | MASS CØS (-) | A +5V B MASS (Ø4 (-) | MASS COT - | A MASS COS + B MASS COS - |
| | MOPL BYTE MASKI-1 H D | + IZV H TUOFINE DR DRIN | BUS SBI TRØS L BUS SBI TRØ3 L | E MIRO RO TIMEOUT H | MDPL BYTE MASKI-O H | D +ISV | | C GND D +IZV | (+12 V) NO CONNECTION | C MASS CO4 + |
| | MSIF READ DATA PEND L F N | MSIJ MDS VCK H | MIRV XMIT TR L | F BUS SBI TRØ4 L | MSIF READ DATA PEND L | F MSIJ WDS ACK H | MASS CØ3 (-) | E MASS (Ø3 (+) | + E&) 22AM | E MASS COS - |
| | | ASIK EXT RD REQ L | | J BUS SBI TROT L K MSIK EXT RO REQ L | MASS DOD - - MASS DOI + | J MASS DOG + | | MCPB DT WRITE CK H | | J MASS DOG - |
| | MCPC EXT OP DONE TO HE | ASIK INT RO REQ H | +SV PS AC LO H | L -5V PS AC LO H | MASS DØ3 + | MASS DOS + F | MCPC EXT OP DONE TO H | K MSIK EXT RD REQ L | + 290 52VW | K MASS DOI + |
| | N P | GND | BUS SBI TROP L BUS SBI TRIG L | N GND P BUS SBI TRII L | MCPB DT WRITE H MASS DO4 - | N GND | MCPB DT WRITE H | GND | - EOO 22AM | + EDG 22AM M |
| | MSIK SEND TR HOLD H R N | AIRP SET CMD READY L | MSIK SEND TR HOLD H | R MIRP SET CMO READY L S BUS SET TRIZ L | MASS DØS + | P MASS DØ5 - R MASS DØ5 - | | P R | MASS D&S - | P MASS D64 - R MASS D65 + |
| A | MDPL BYTE MASKE-1 H U M | MDPL BYTE MASKS-8 H | GND BUS SET TRIA L | T BUS SET TRIS L D BUS SET TRIS L | GND | S MOPL BYTE MASK2-3 H | GND | MASS CON (+) | MASS COO + | S MASS C66 - T GND |
| | +5V V N | ASIL ENAS WIDI MUX H | +5V | V -5V PS DC LO H | HUFL BTIE MASKC-I H | N WELL ENGE MOI WITH A | | MASS COS (+) | | U MASS COI - V (+5V) NO CONNECTION |
| ٤ | REVISIONS CHANGE NO. REV. | - - | | | | • | | | (MBA ETCHED | |
| * | | | | | | | | L BLOCK | DIAGRAM DI | |
| | 8 | 7 | <u> </u> | 6 | 5 | | | SCALE / | | |

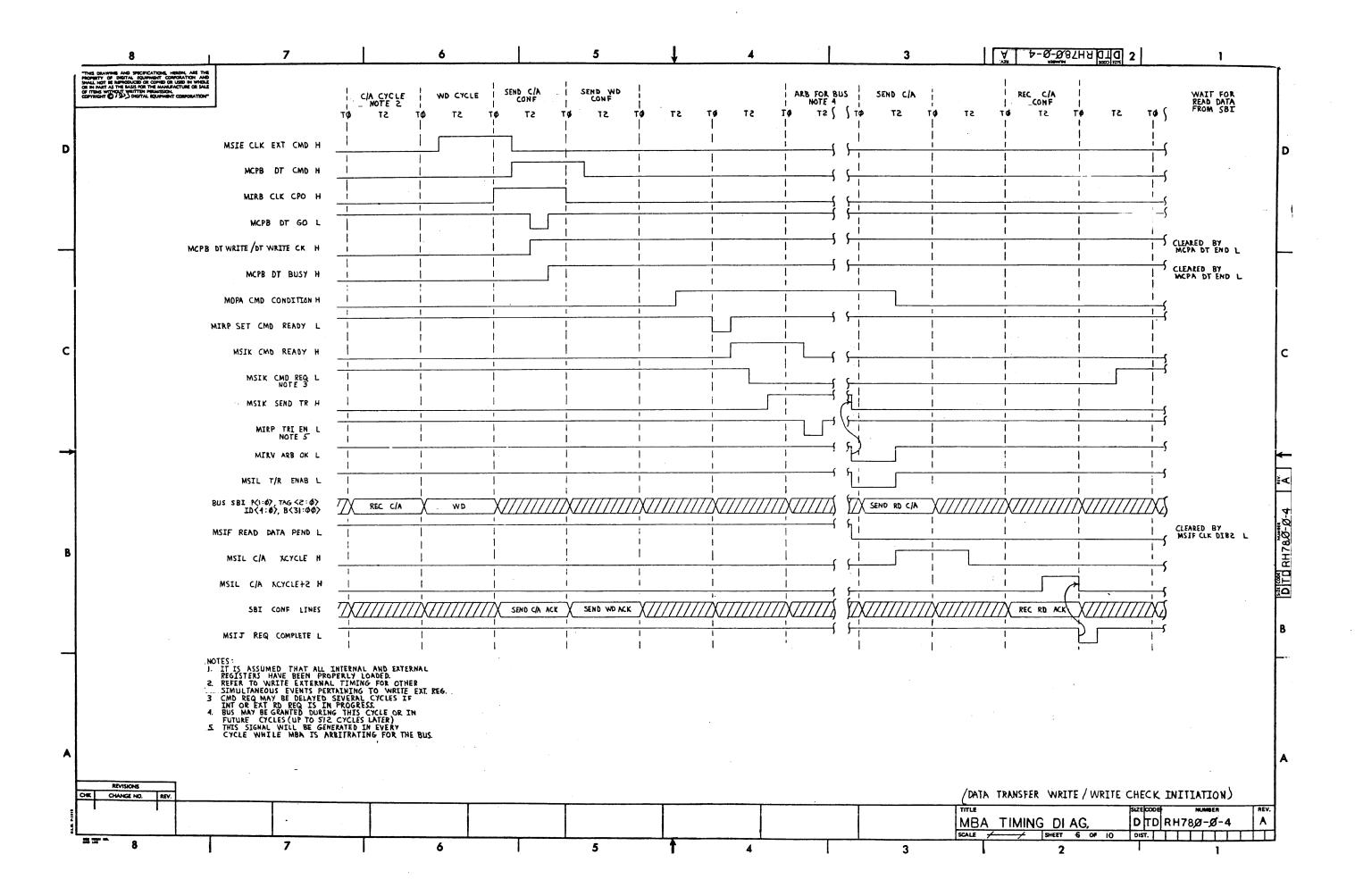


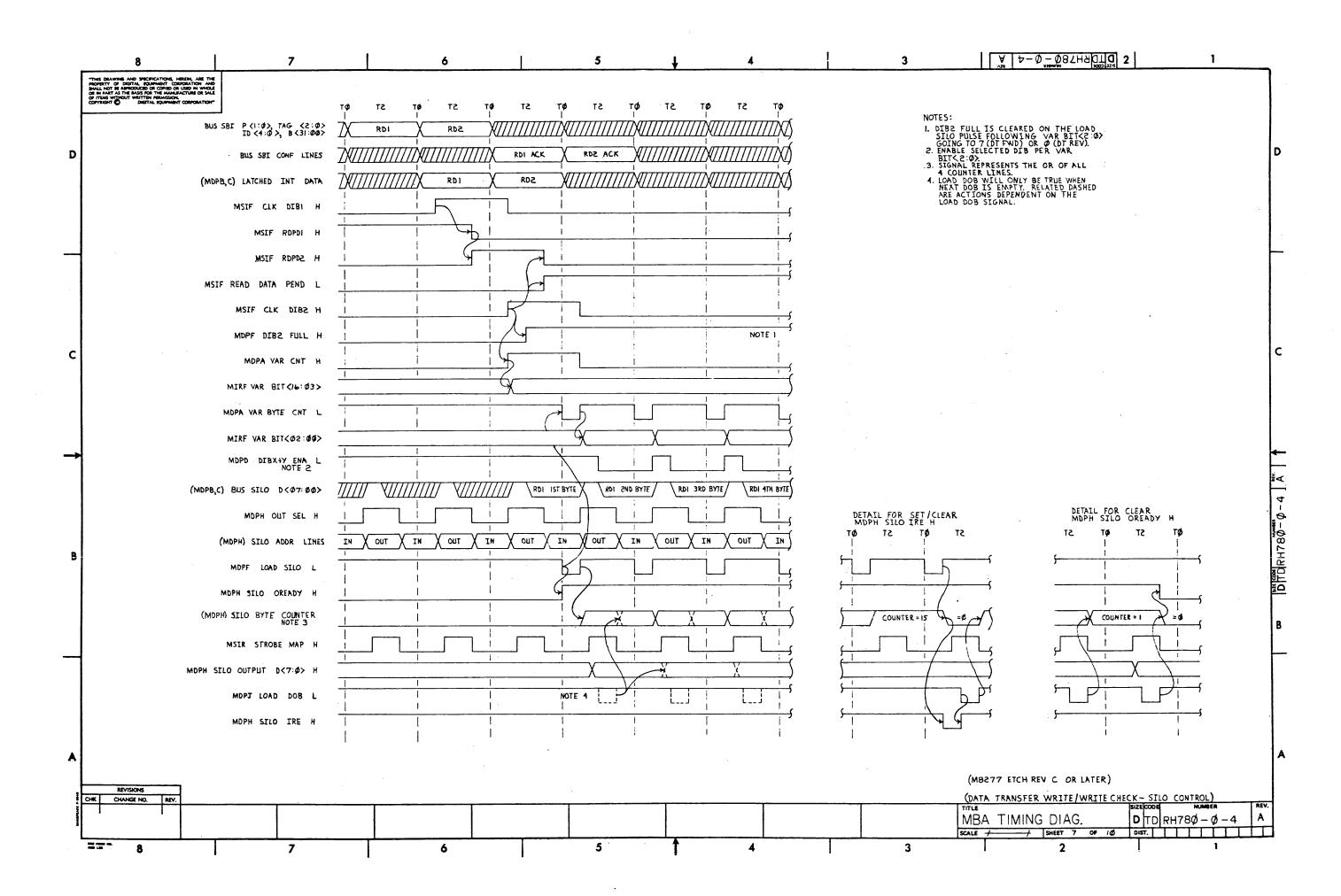


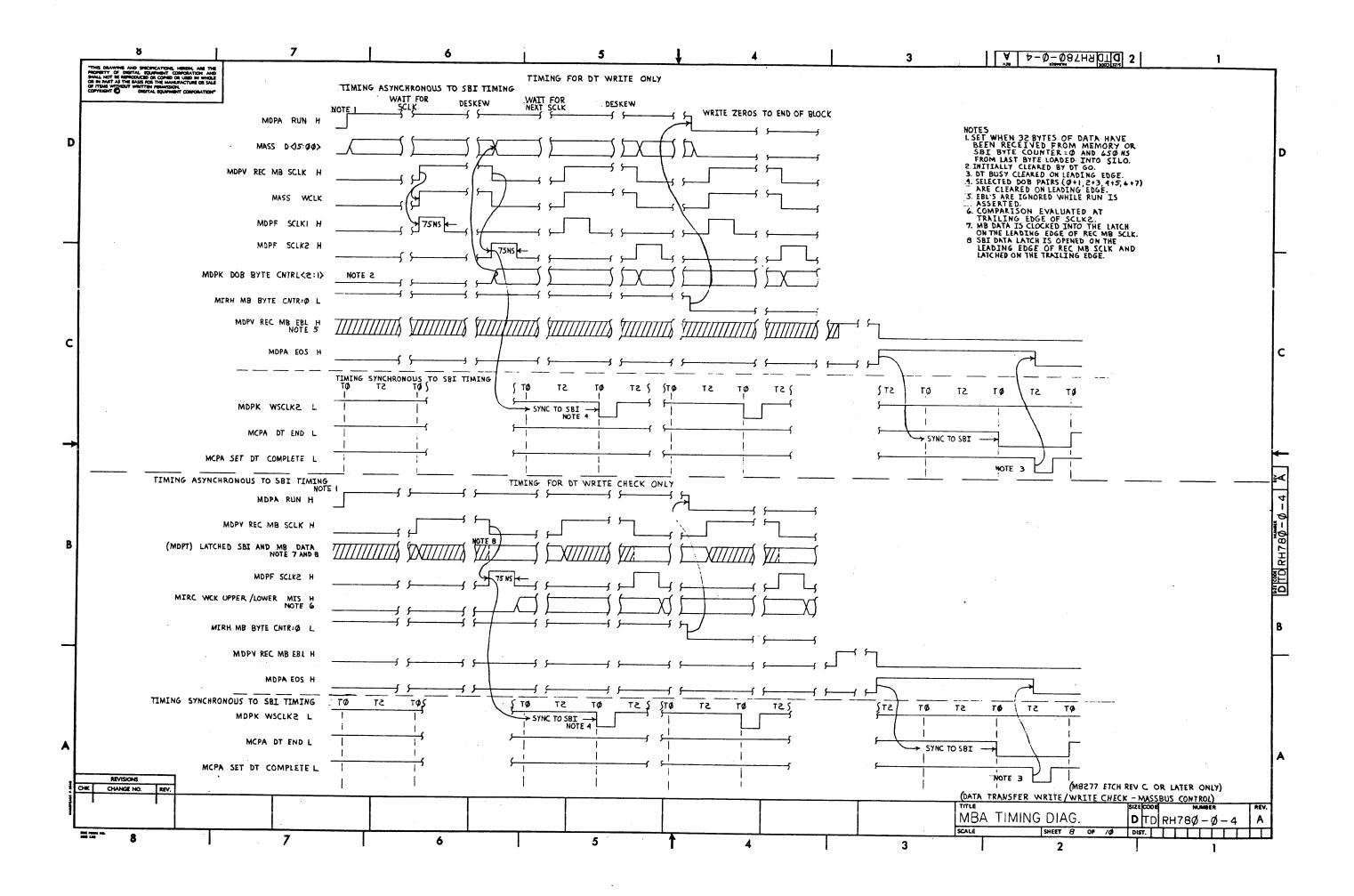


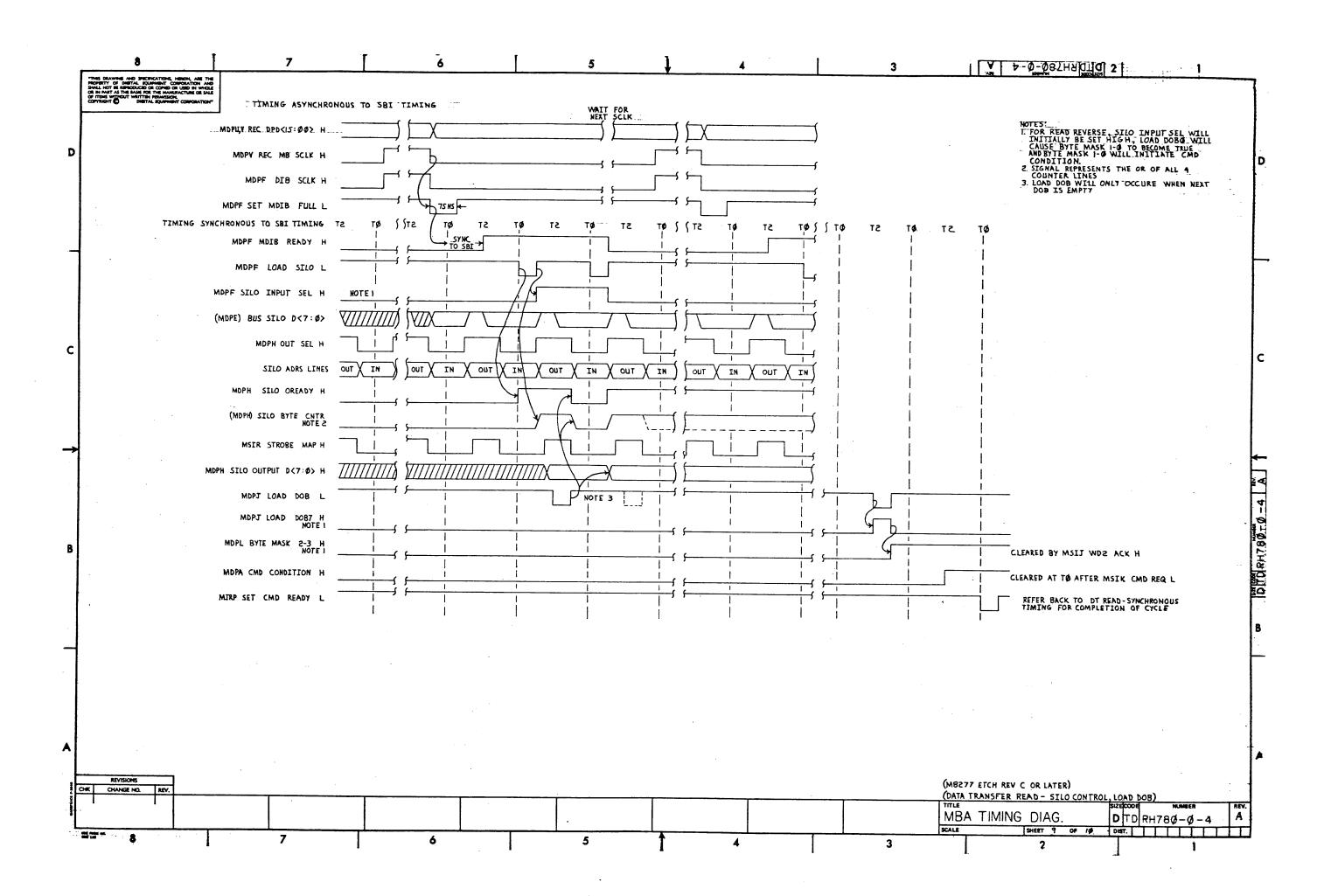


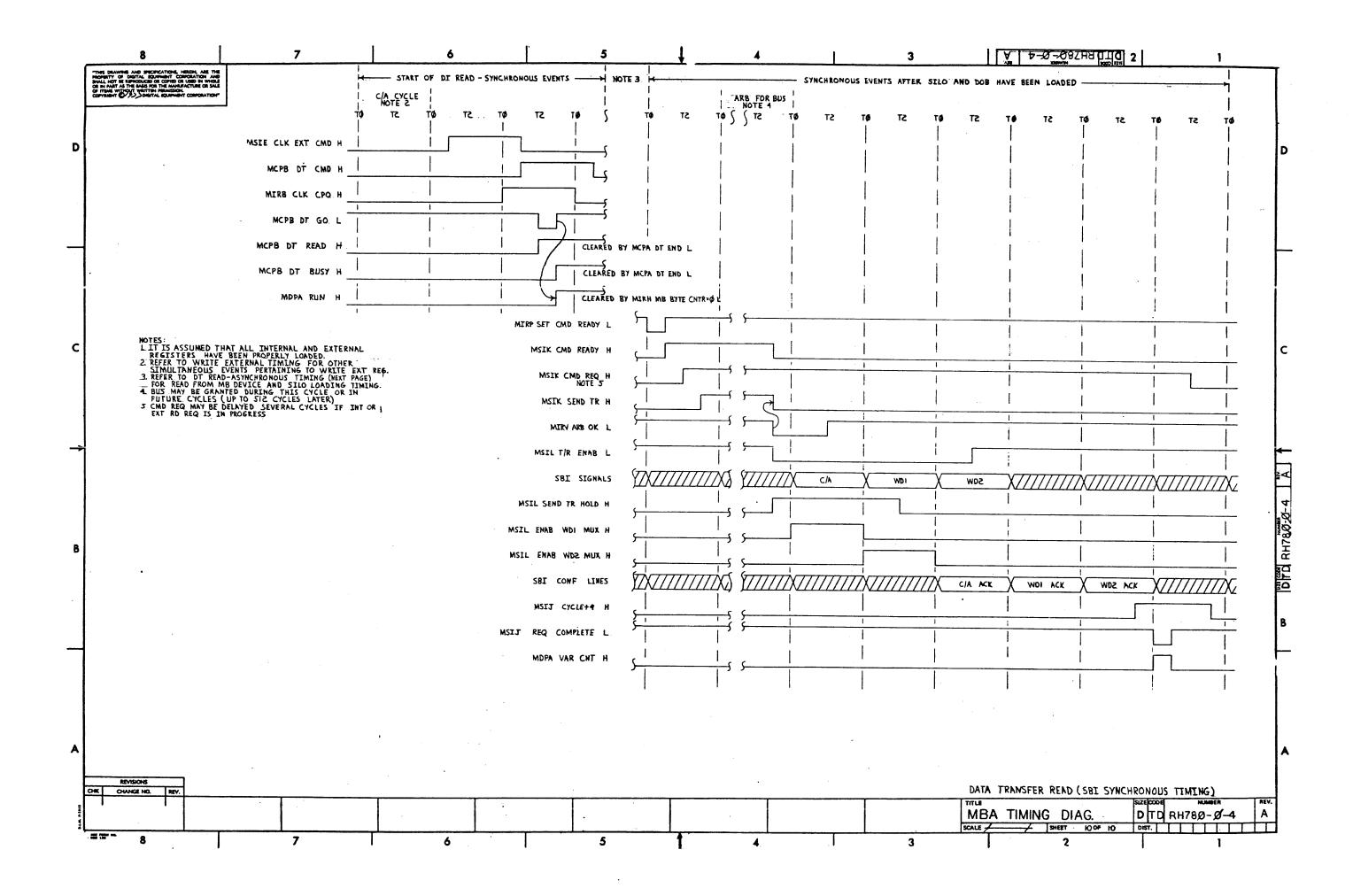


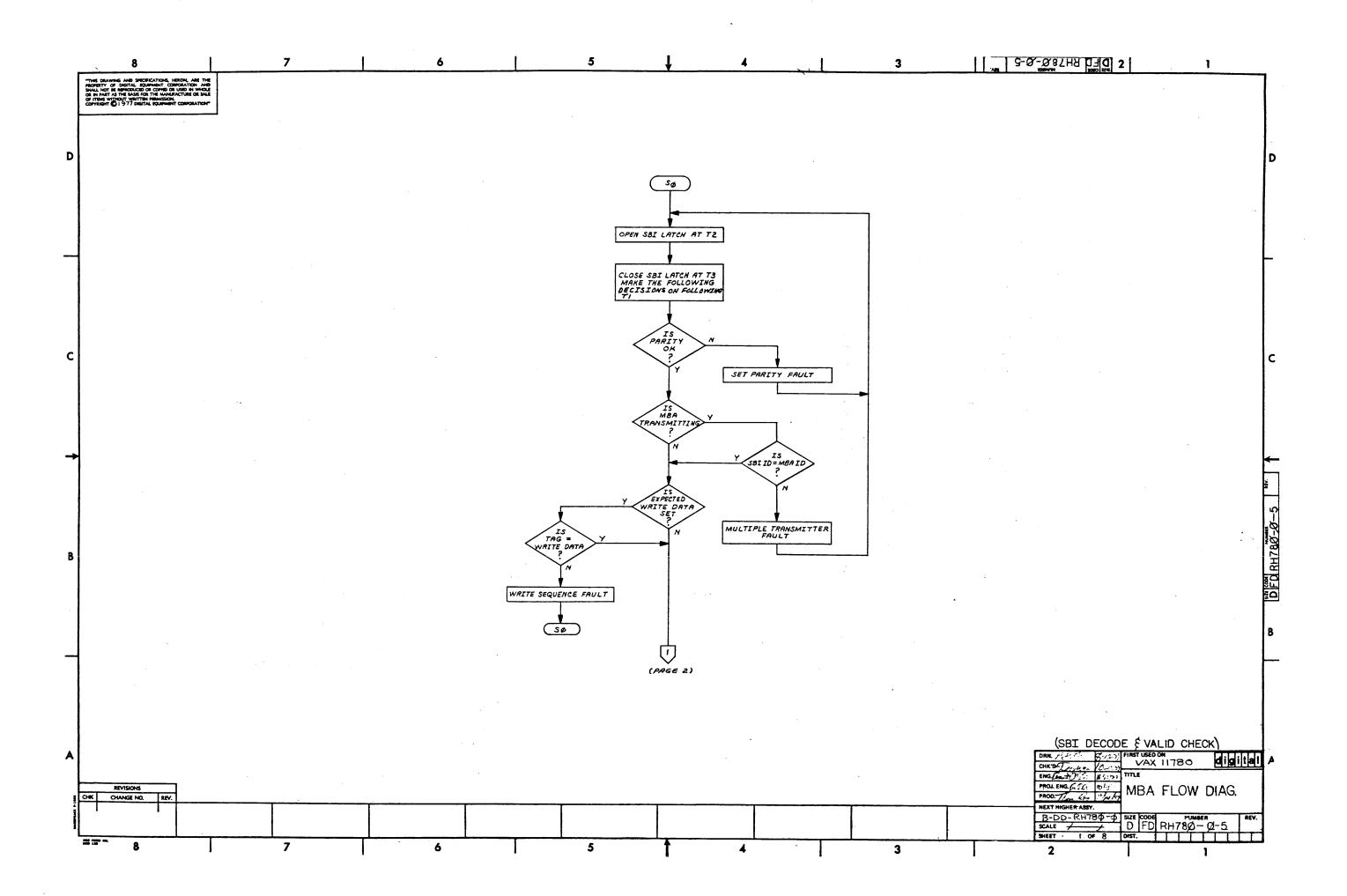


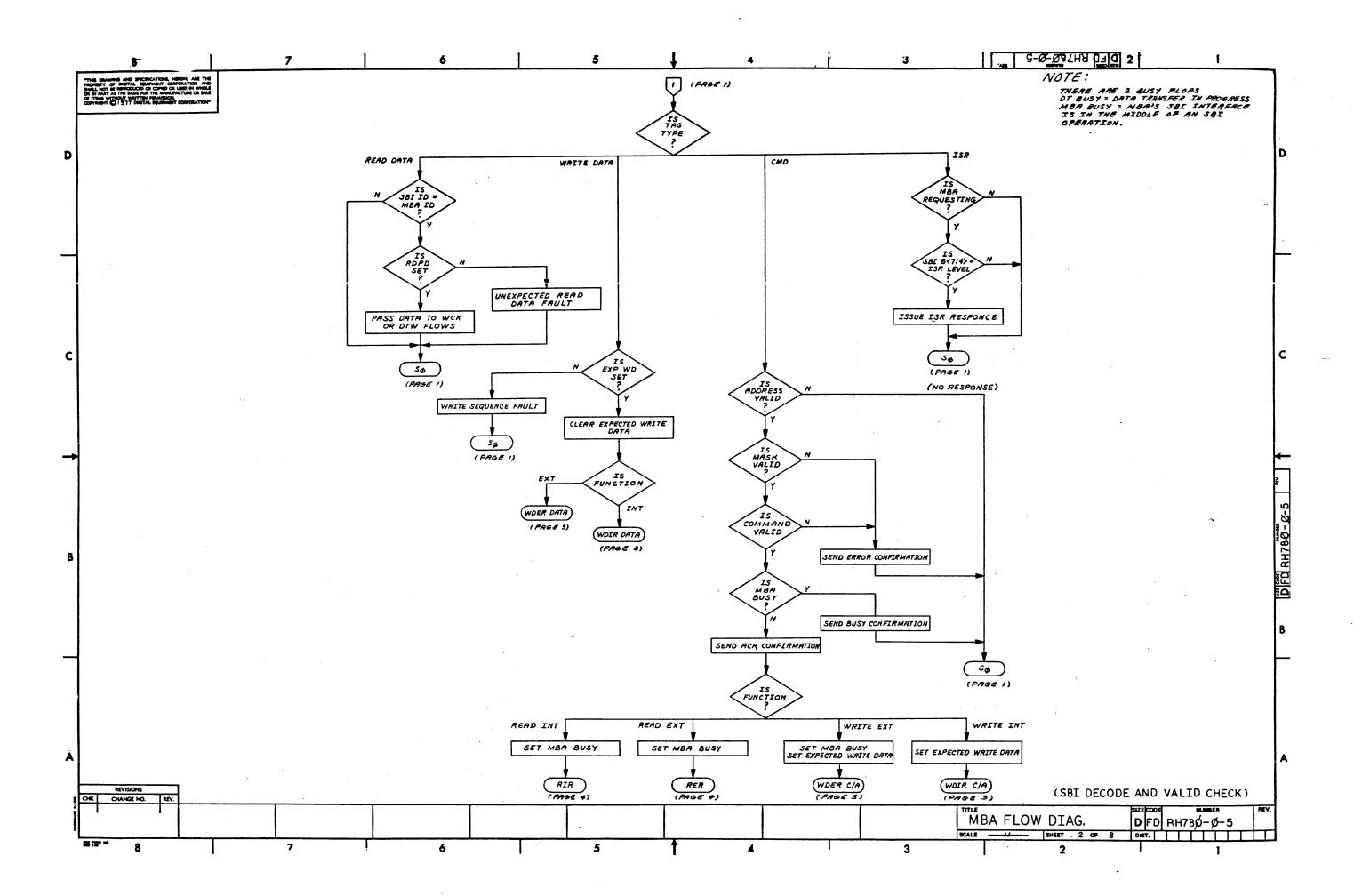


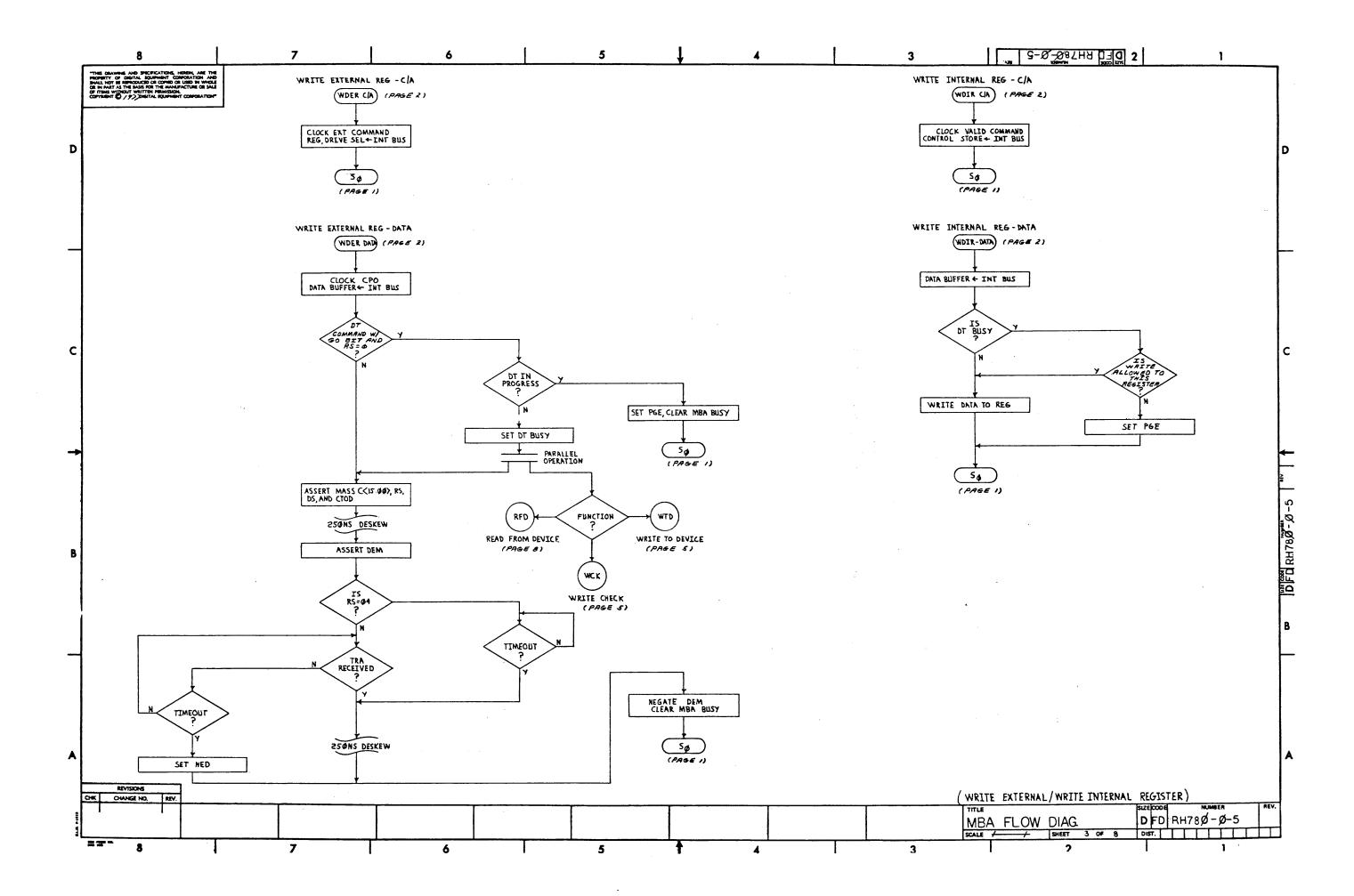


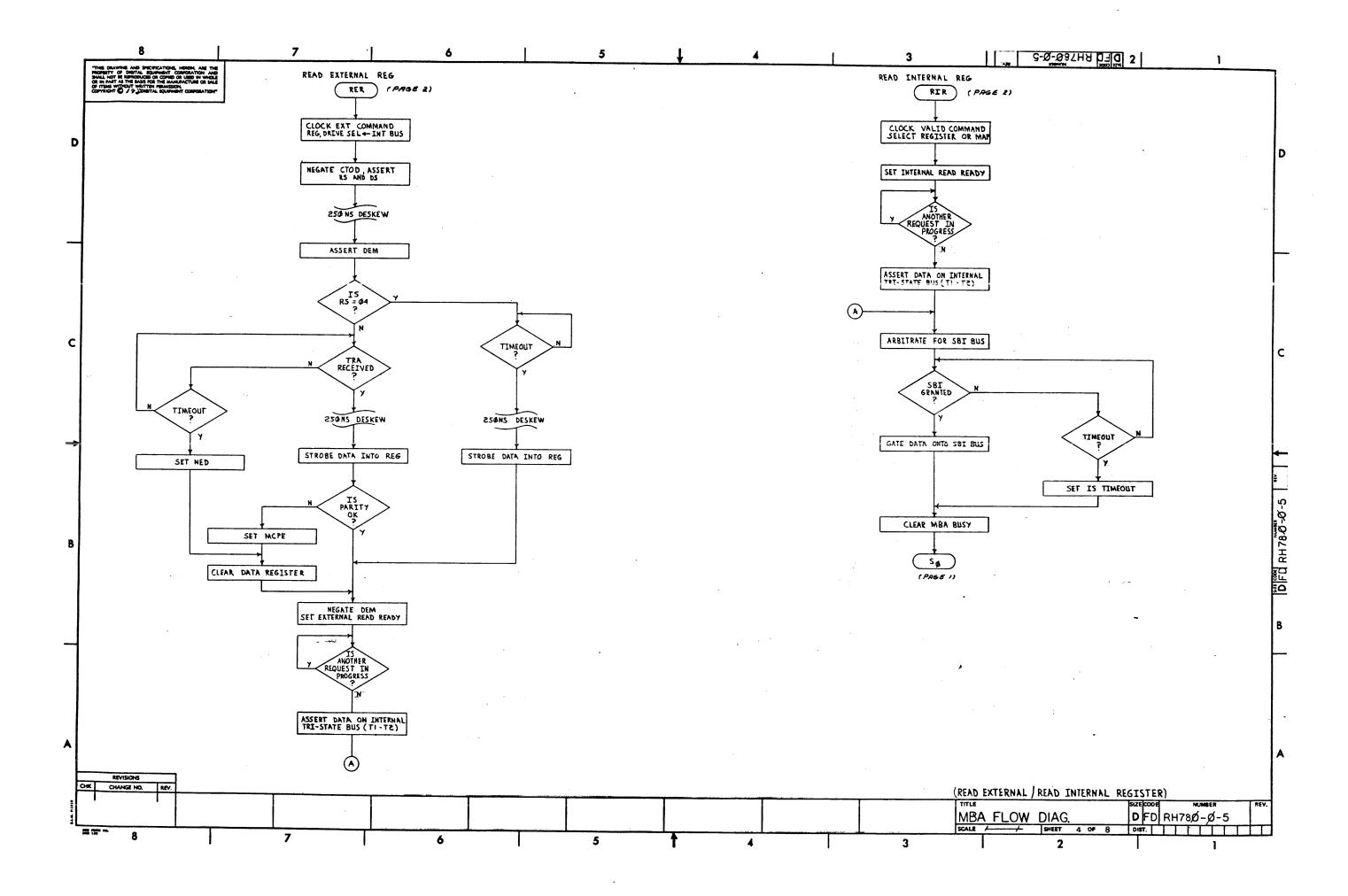


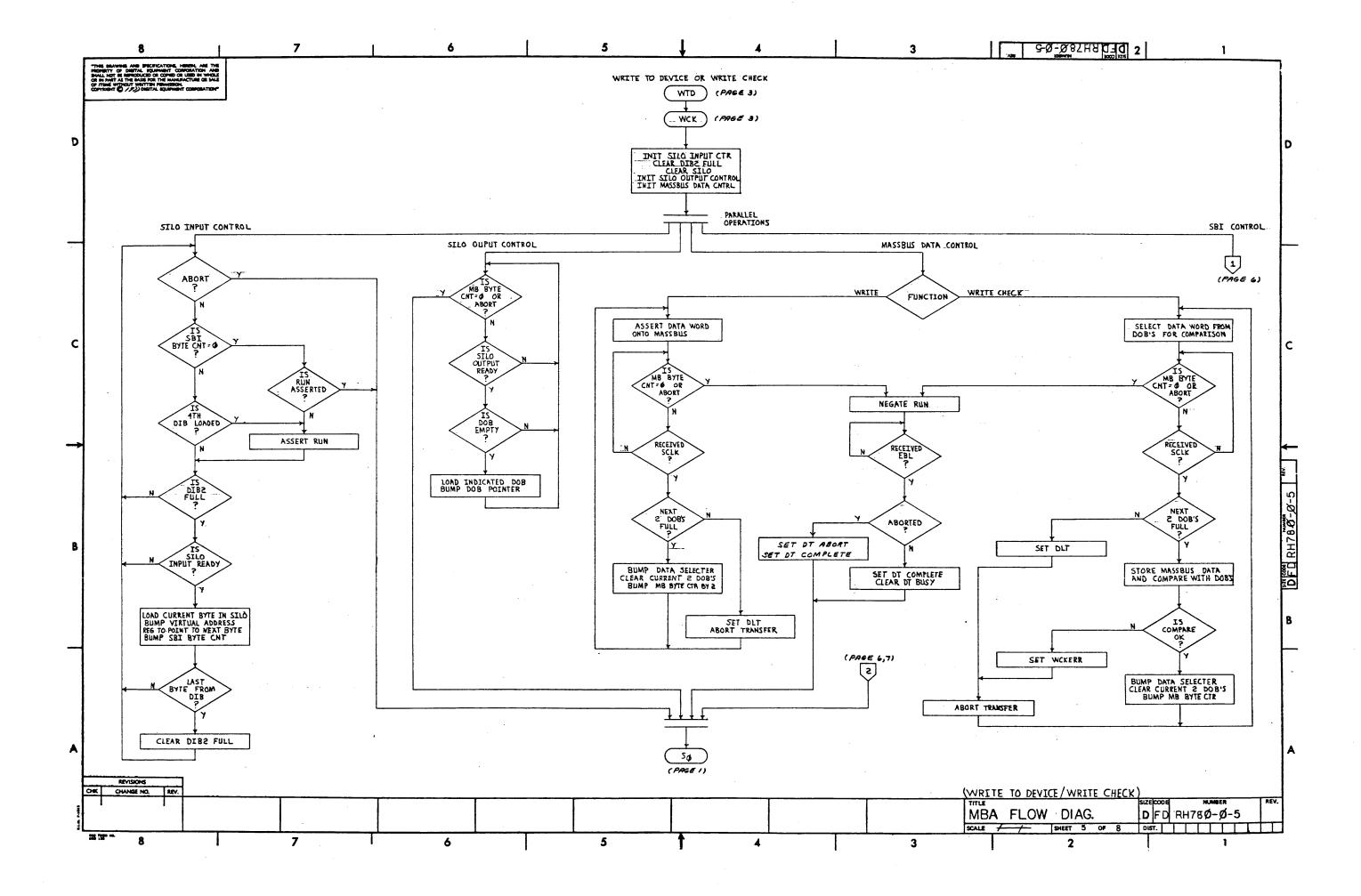


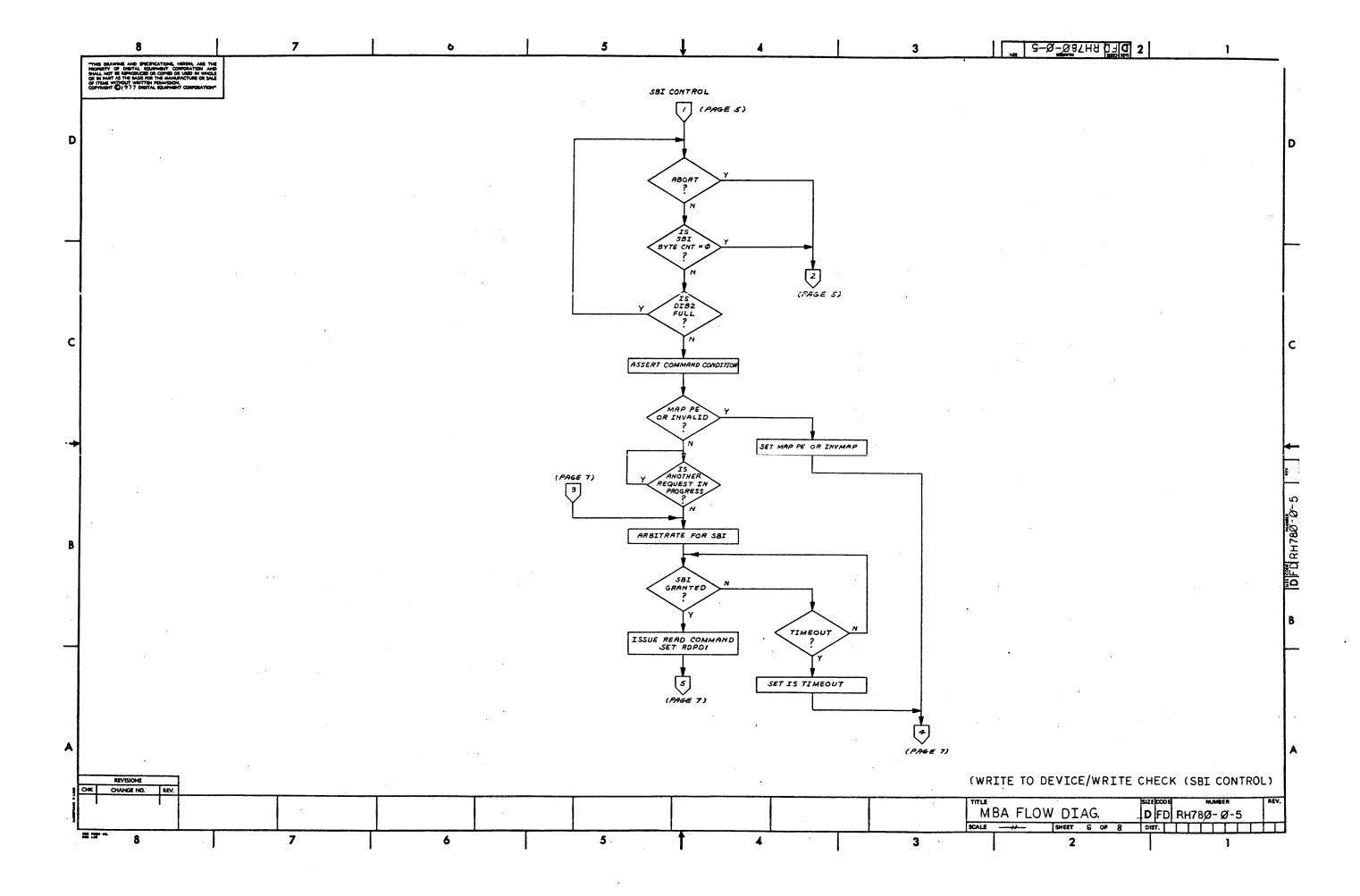


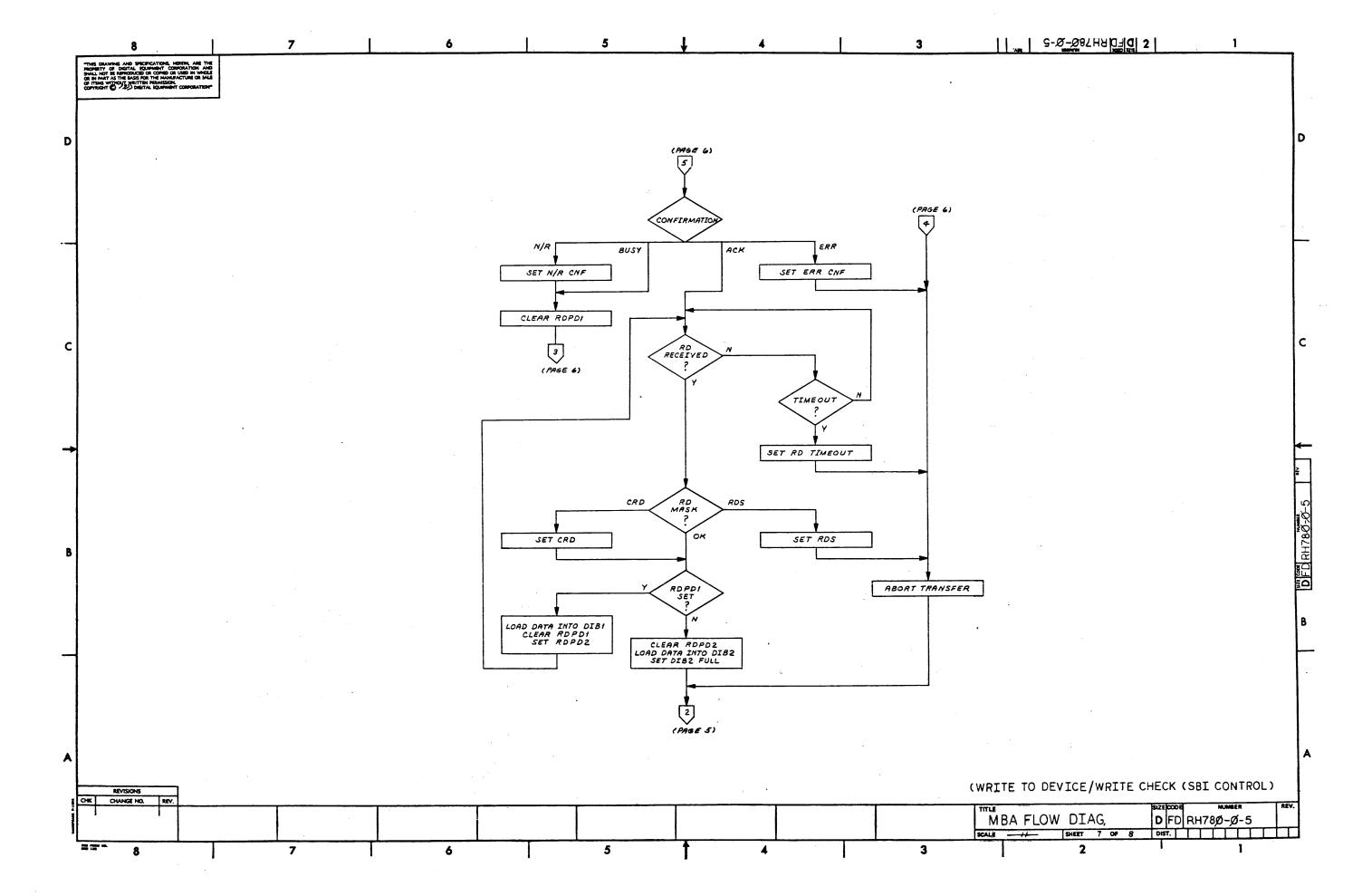


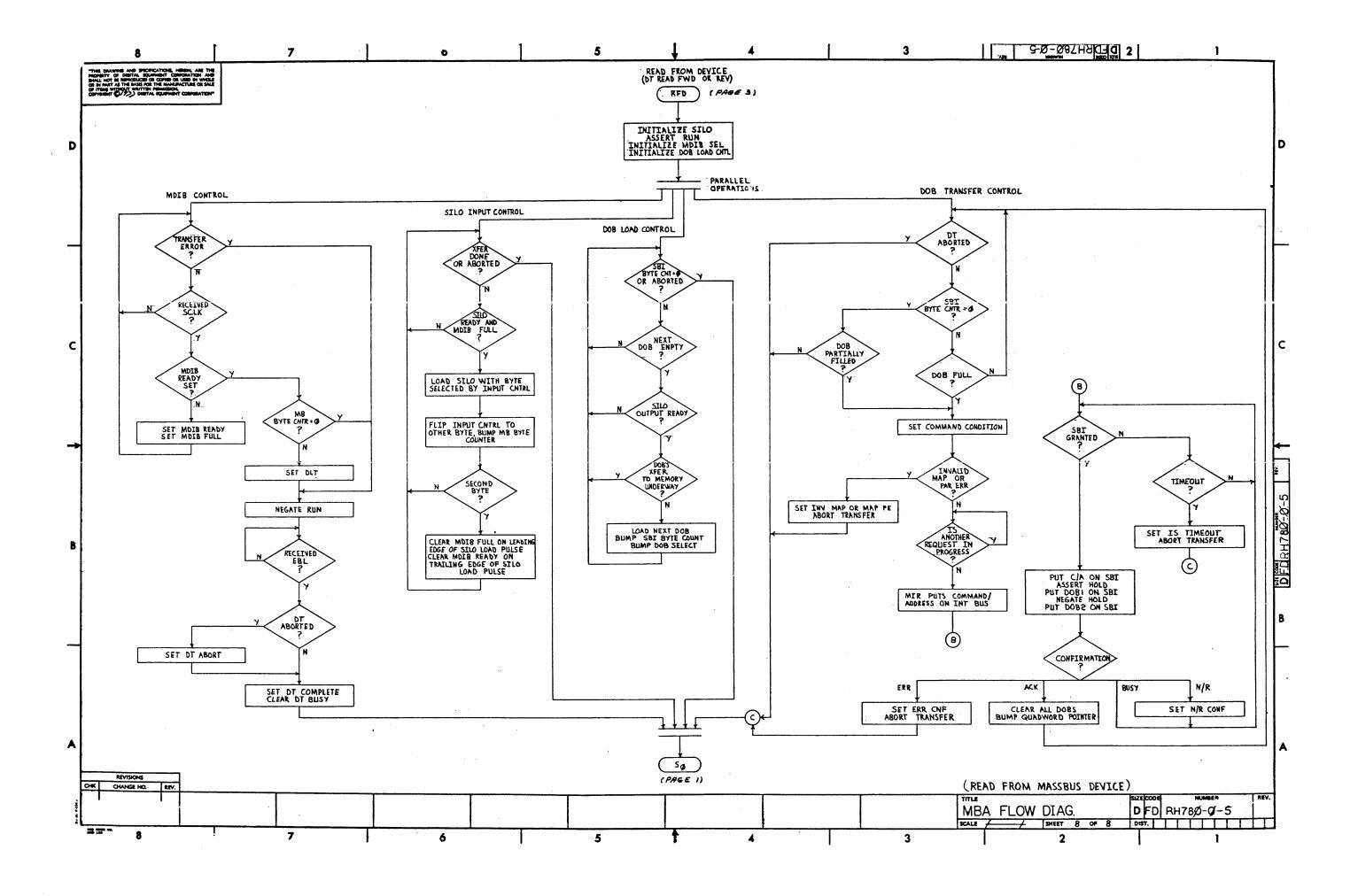




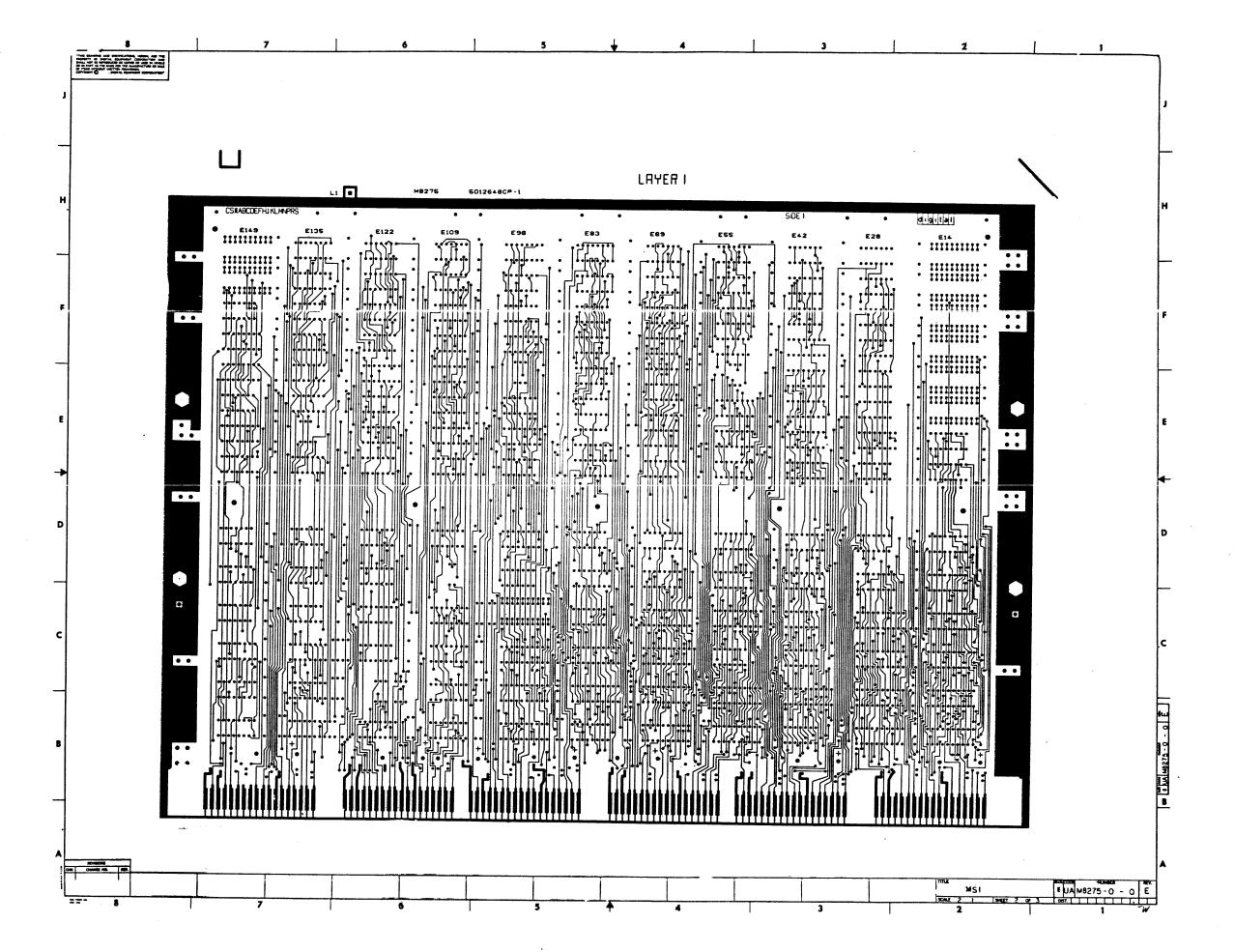








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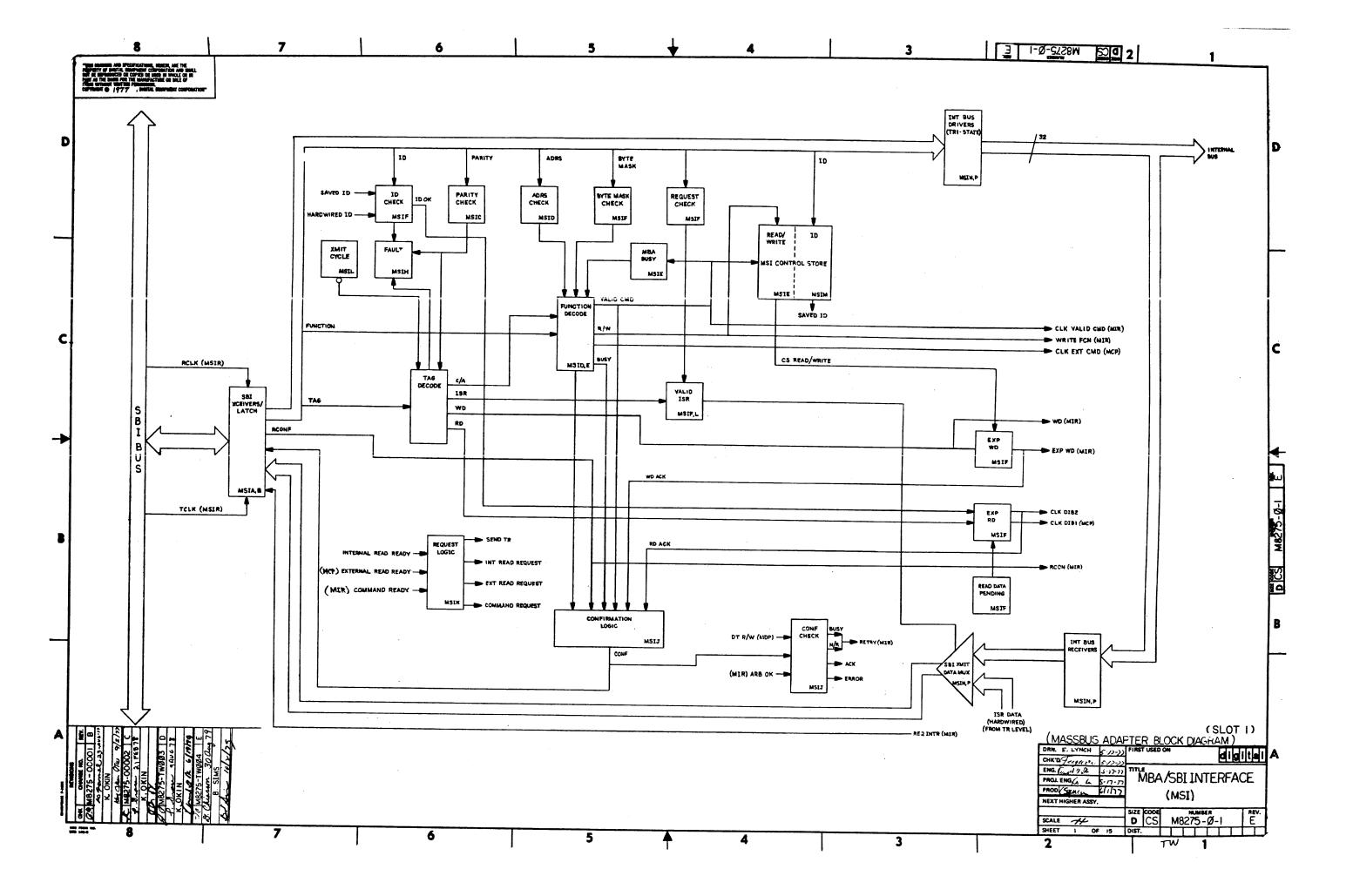
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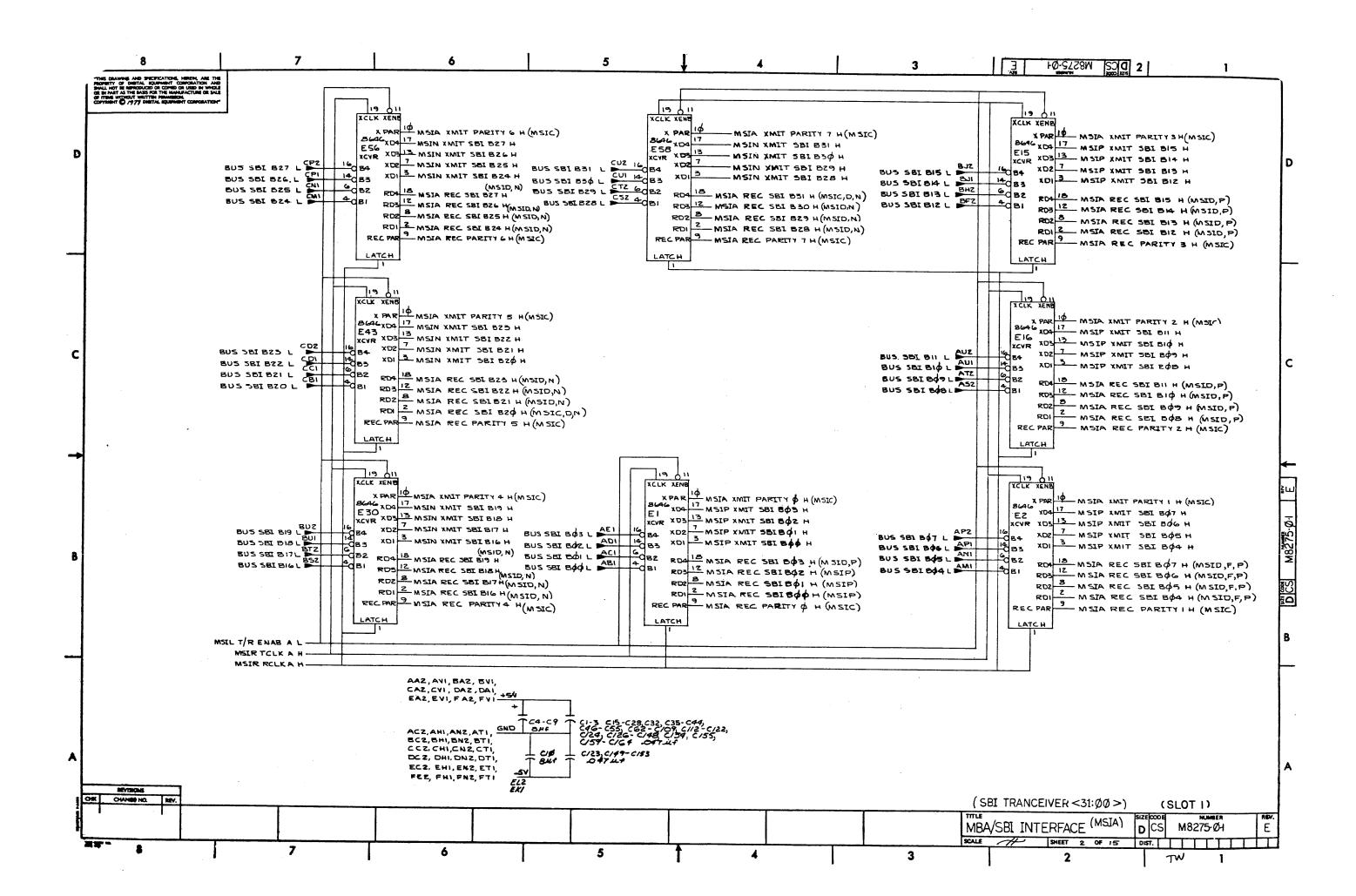
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| 3 | 3 | | | 1012784 | | .047 MFD | | | 35 | | | C15-C28,C3 | 2,C35-C4 | 14, |
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| | | | | | • | | | | | CONT | C126-0 | C155,C159-C | 164 | |
| 4 | 4 | | | 1103041 | | | S=12PCB PIV= 8VS | | 4 | | D1-D4 | 4 v | | |
| 5 | 5 | • | | 1300295 | | | | | 19 | | | R7,R9-R24 | | |
| 6 | 6 | • | •• | 1300365 | | | | CC. | 2 . | | R1,R2 | | | 1 |
| 7 | 7 | | | 1301424 | | | | CC | 3 | | R4,R6, | | • • | |
| 8 | 8, | | | 1910532 | | | NAND GATE-QUAD 2 | | 7 | | | 10,E68,E77, | E104,E1: | 16,E |
| 9 | 9 | | | 1912388 | | 74502 | NOR GATE-QUAD 2I | | 1, | | E41 | -0 5/7 500 | EGA E46 | |
| 10 | 10 | | | 1910534 | | 74504 | INVERTER GATE-HE | | 9 | | | 52,E63,E90, | | |
| 11 | 11 | | | 1912389 | -00 | 74508 | AND GATE-QUAD 21 | IY F T'U | 7 | CONT | | 28,E55,E80, | EIUI,El | iJ,E |
| 12 | 12 | | | 1910536 | -00 | 74510 | NAND GATE-TRIPLE | 37N | 4 | CONT | | :144 13,E114,E1 | 70 | |
| 13 | 13 | | • | 1910537 | | 74S10 74S11 | AND GATE-TRIPLE | | 9 | | | 55,E53,E92, | | |
| 10 | | | , - | 1710007 | | , ,,,,,,, | THE OTTE THE | D 1 (1) | | CONT | | | LIZOFLI | J 1 7 L. |
| 14 | 14 | | | 1910539 | -00 | 74520 | NAND GATE-DUAL 4 | INPU | 2 | DUITI | E24,E | | | |
| 15 | 15 | • | | 1712813 | | LS27 | NOR GATE-TRIPLE | | 3 | | E20,E4 | | | |
| 16 | 16 | | | 1910542 | -00 | 74564 | A-O-I GATE 4-2-3 | | 9 | • | | 66,E105,E1 | 19,E121: | E122 |
| | | | | | | | | | | CONT | E133,E | E147,E81 | - | |
| 17 | 17 | | | 1910544 | -00 | 74574 | FF-D DUAL, EDGE T | RIGG | 8 | | E69,E7 | 79,E141,E12 | 7,E117,E | 112 |
| | | | | | 72.4 | | | | | CONT | E140,E | 109 | | |
| 18 | 18 | | | 1912803 | | LS04 | INVERTER GATE-HE | | 1 | | E21 | | | · · · |
| 19 | 19 | | | 1912089 | | 74585 | CMPRTR-4BIT MAGN | | 4 | | | 35,E37,E38 | | |
| . 20 | 20 | | | 1910545 | | 745112 | FF-JK DUAL, EDGE | | 4 | | | 118,E142,E1 | 45 | |
| 21 | 21 | | , | 1911983 | | 745133 | NAND GATE-POSITI | | 1 | | E39 | | | |
| . 22 . | 22 . | 4 | | 1911675 | | | DECODER/DEMUX 3-8 | | ა - | • | | 74,E76 | | |
| 23 24 | 23 24 | | | 1910546 1910548 | | 74S140 74S157 | NAND GATE-DUAL 4 MUX 1 OF 2 (QU | | ა ი | | | 78,E111 ,E19,E33,E3 | A-EA7-E | 40.5 |
| | | | | | | | | | | | | | | |
| ! | REVIS. | ION HISTORY | | BASIC PART NO | : M827 | 5 ! !DRN: | L.REYNOLDS | ! !DATE! | 12-JUL-79 | ! | ! | ! ! ! ! I ! G ! | !!! | , ! |
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| 11 | | | . , , L V | | | ! | | | | !TITL | F | PARTS L | TST | |
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| !BS ! | TW004 | | | [B] | 17.5 | į | | 1 : | \$ | ! | | • | | |
| !BS ! | TW004 | | | [C] | • | | K.OKIN | | | | | | | ٠, |
| !BS ! | TW004 | | | [[] | | ! | | _ ! | | ! | | | | <u></u> |
| !! | ٠. | | | L EEI | | incep care | .: K.OKIN | ! !DATE! | 10 1111 | . ! | | DOCUMENT N | UMBER | |
| : : | | | | ! | 4 | ! KESF + ENG |)++ I/+ | | | | | | | ! RE |
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| ii | | | | i iki | | MFG.ENG. | : M.TERILLO | IDATE: | 12101 -79 |) K | i Pi i | : M8275-0-D | RP | E |
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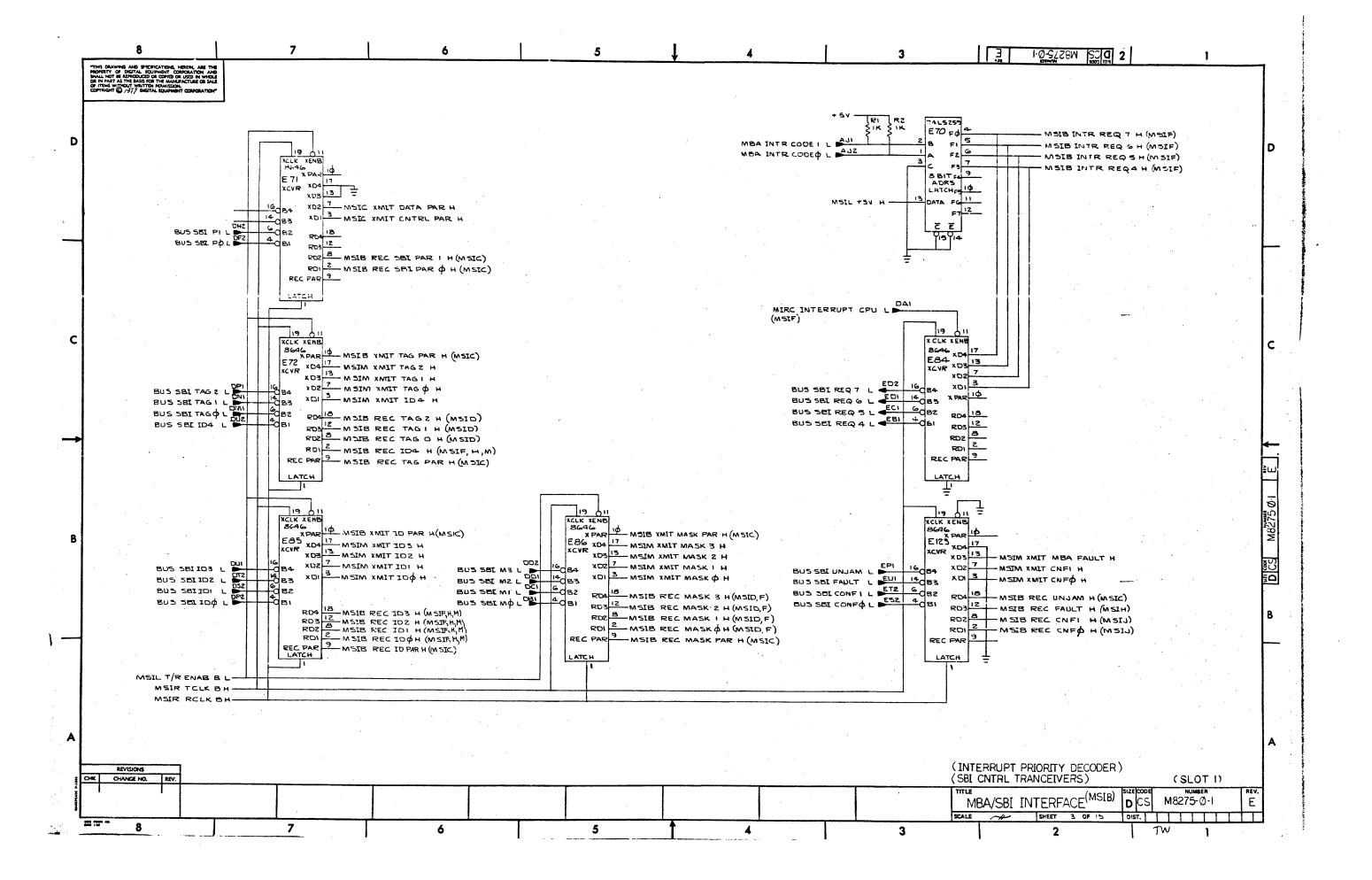
| AUTOMATED BY PRTLST.3L(32) | | FARTS LIST | | SHEET A2 OF A2 |
|---|--|---|----------------------------|--|
| LINE ITEM DOCUMENT NUMBER | PART NUMBER DES | SCRIPTION | OTY PER VARIATION | N REFERENCE DESIGNATOR |
| 25 25 26 26 27 27 28 28 | 1910957-00 1912824-00 1912847-00 1910550-00 | 74S175 FF-D QUAD COMMON CLO LS74 FF-D DUAL, EDGE TRIGG LS157 MUX 1 OF 2(QUAD) 74S174 FF-D HEX | 5 1 2 | E89,E93,E103,E135,E143 E95 E136,E137 E64,E91 |
| 29 29 30 30 31 31 32 32 | 1912697-00 1912854-00 1912855-00 1913493-00 | LS174 FF-D HEX W/CLEAR LS193 COUNTER, SYNCHR, 4BIT, LS195 SHIFT REG., 4BIT PARA 74S241 OCTAL BUFFER, TRI-STA | 1 2 3 4 | E50 E82,E83 E96,E134,E146 E3,E17,E44,E57 |
| 33 33 34 34 35 35 36 36 | 1912860-00 1911573-00 1912867-00 1913670-00 | LS259 LATCH 8BIT 74S280 FARITY GEN/CHKR,9BIT LS298 MUX 1 OF 4,2IN W/S 74S373 LATCH 8BIT TRASF TR | 3 5 3 4 | E7,E36,E70 E29,E31,E32,E73,E88 E49,E51,E138 E4,E18,E46,E59 |
| 37 37 38 38 39 39 40 40 41 41 | 1911398-00 1911402-00 1911415-00 1913220-00 | 10101 OR/NOR GATE,4-2IN 10105 OR/NOR GATE,2-3-2 10125 ECL TO TTL TRNSLTR 10216 RECEIVER,TRIPLE LINE | 2 1 3 1 | E98,E110 E124 E99,E100,E125 E97 |
| 42 42 43 43 44 44 45 45 | | LS283 ADDER-4BIT BINARY FU NDLE, MODULE, HEX ELET, ROLLED FLANGE, .121 OD X | 14 CONT 1 1 12 | E1,E2,E15,E16,E30,E43,E56,E58, E71,E72,E84,E85,E86,E123 E8 |
| 46 46 | 9105740-55 *** | · · | . | NEU CONTRACTOR CONTRAC |

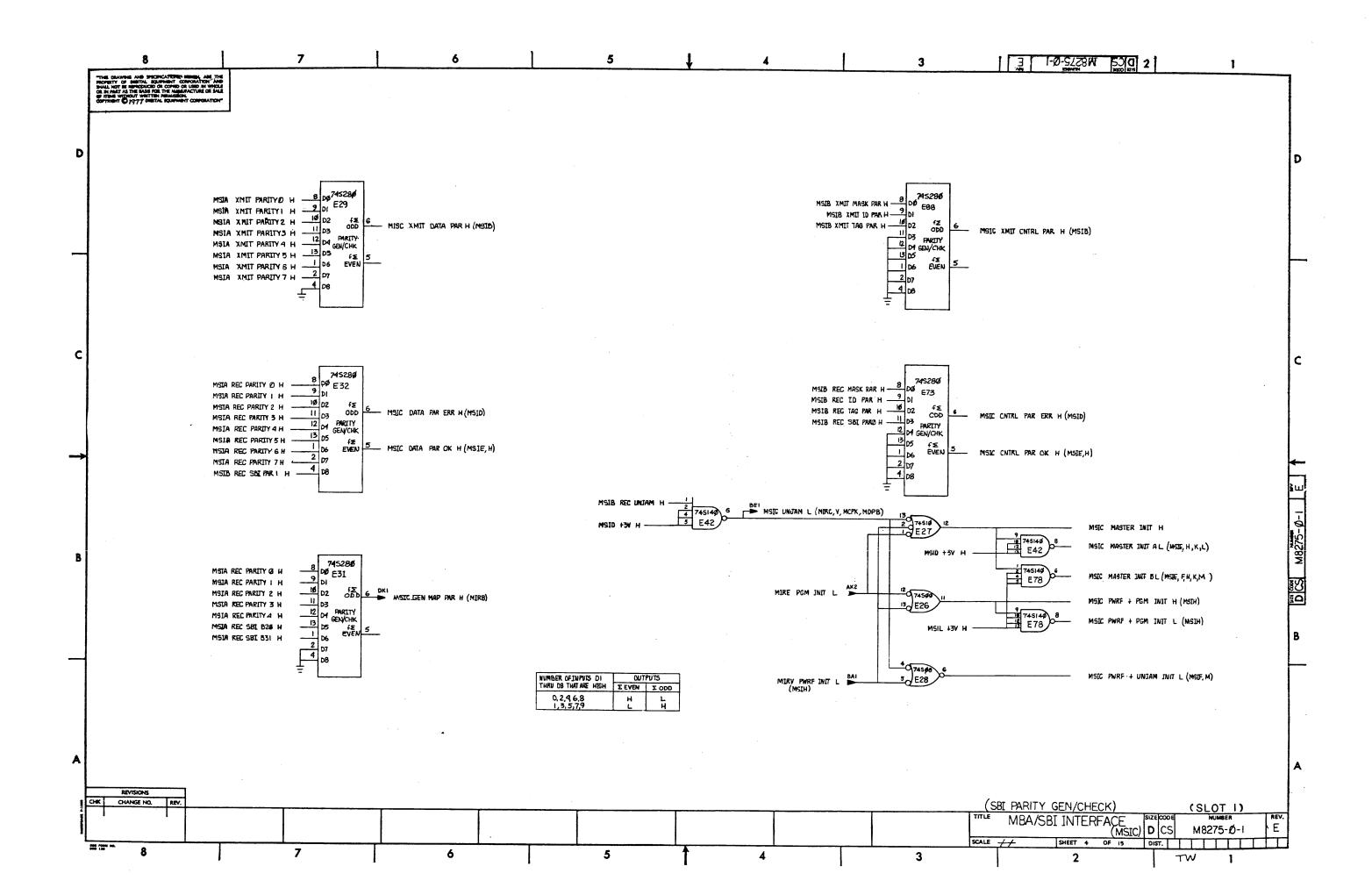
O NOTE: E9-E14,E87,E148,E149 ARE SPARE I.C.S.

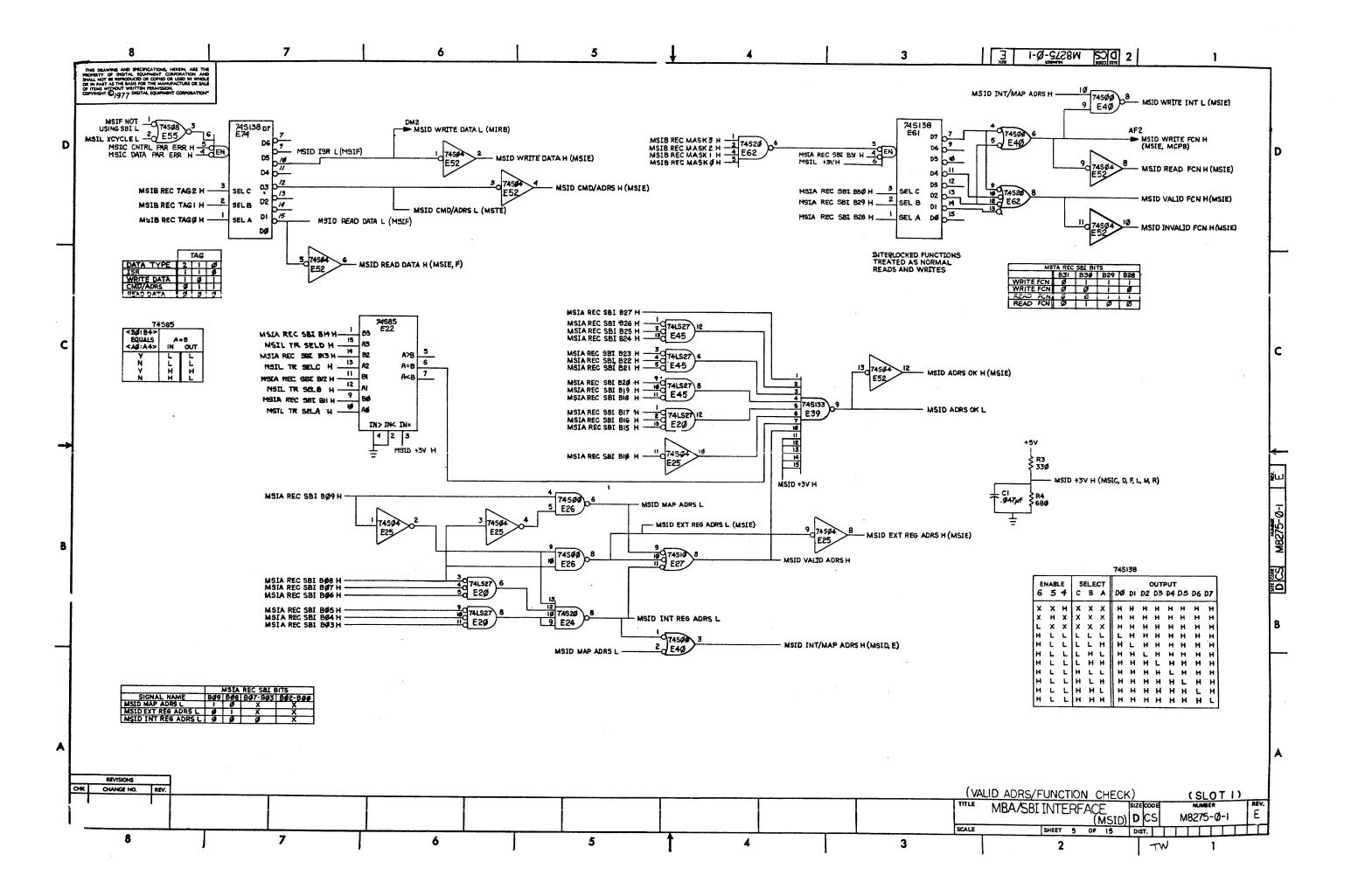
| | <u>-</u> - | | | 1 | | | | F | | | | | | | | | | 1 | !SIZE!CODE! | POCIMENT | NUMBER | | |
|---|------------|----|---|-----|-----|-----|--|---|-----|--|---|---|---|--------|------|----|---|---|-------------|----------|--------|-------------------|------|
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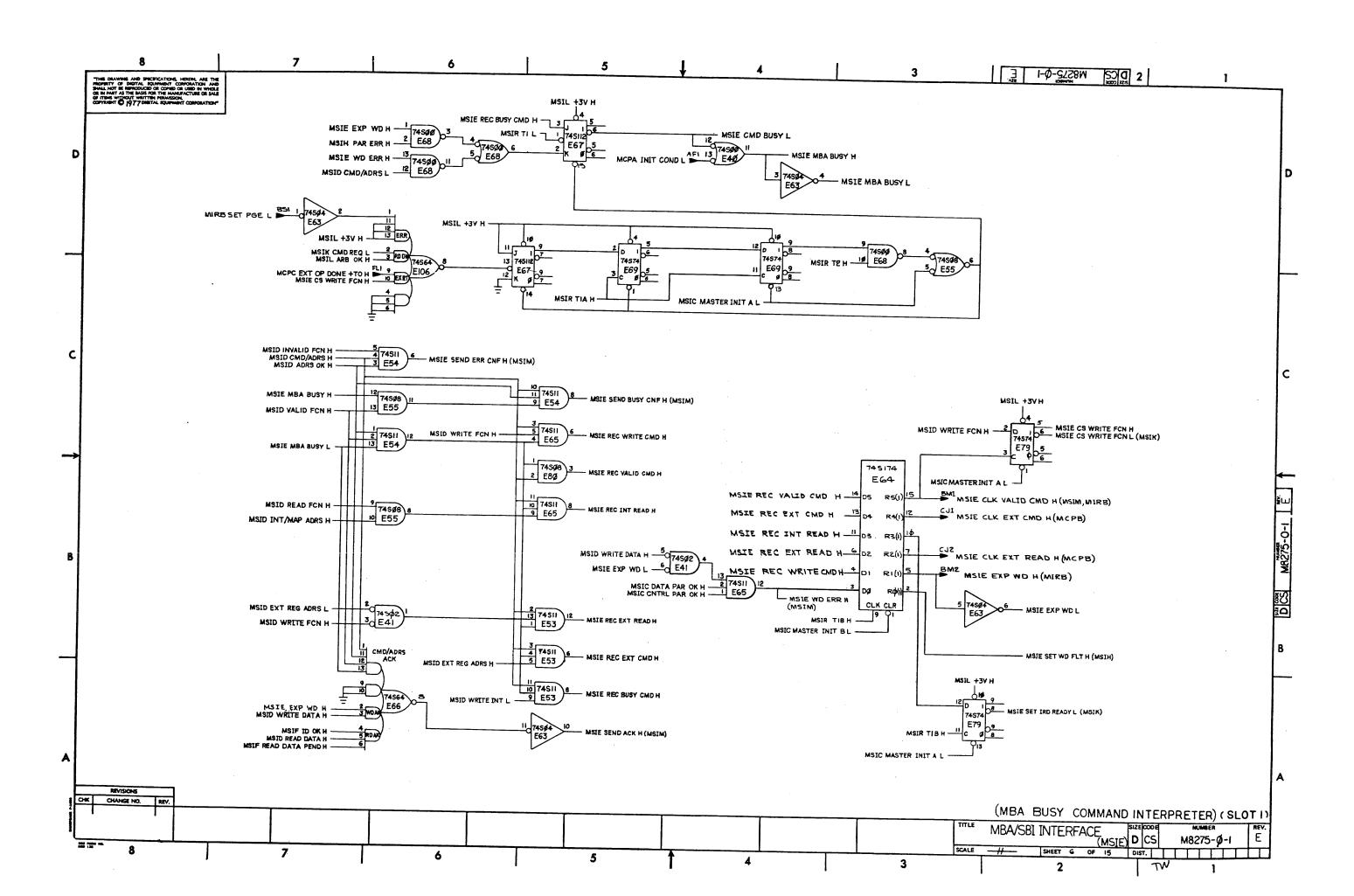


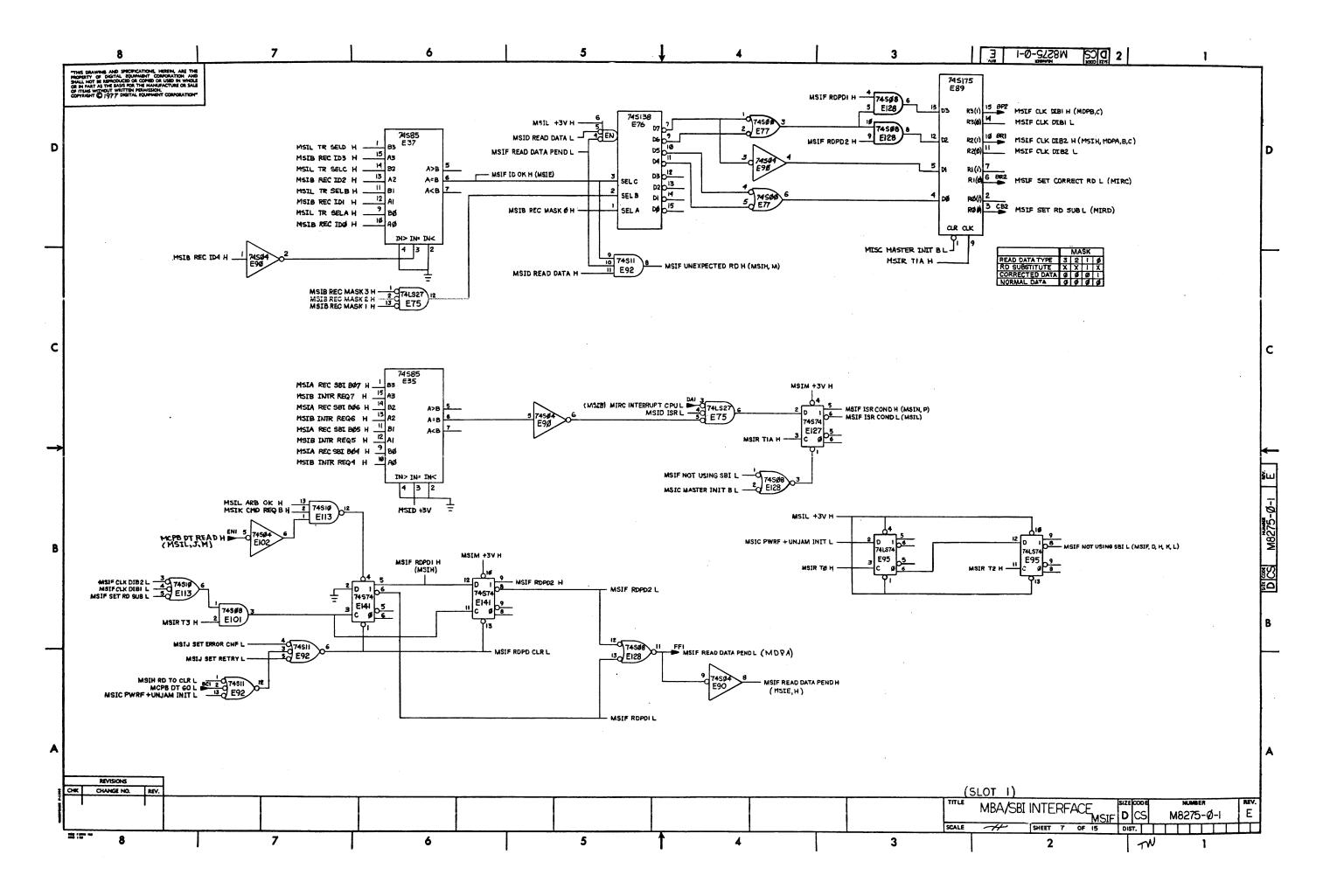


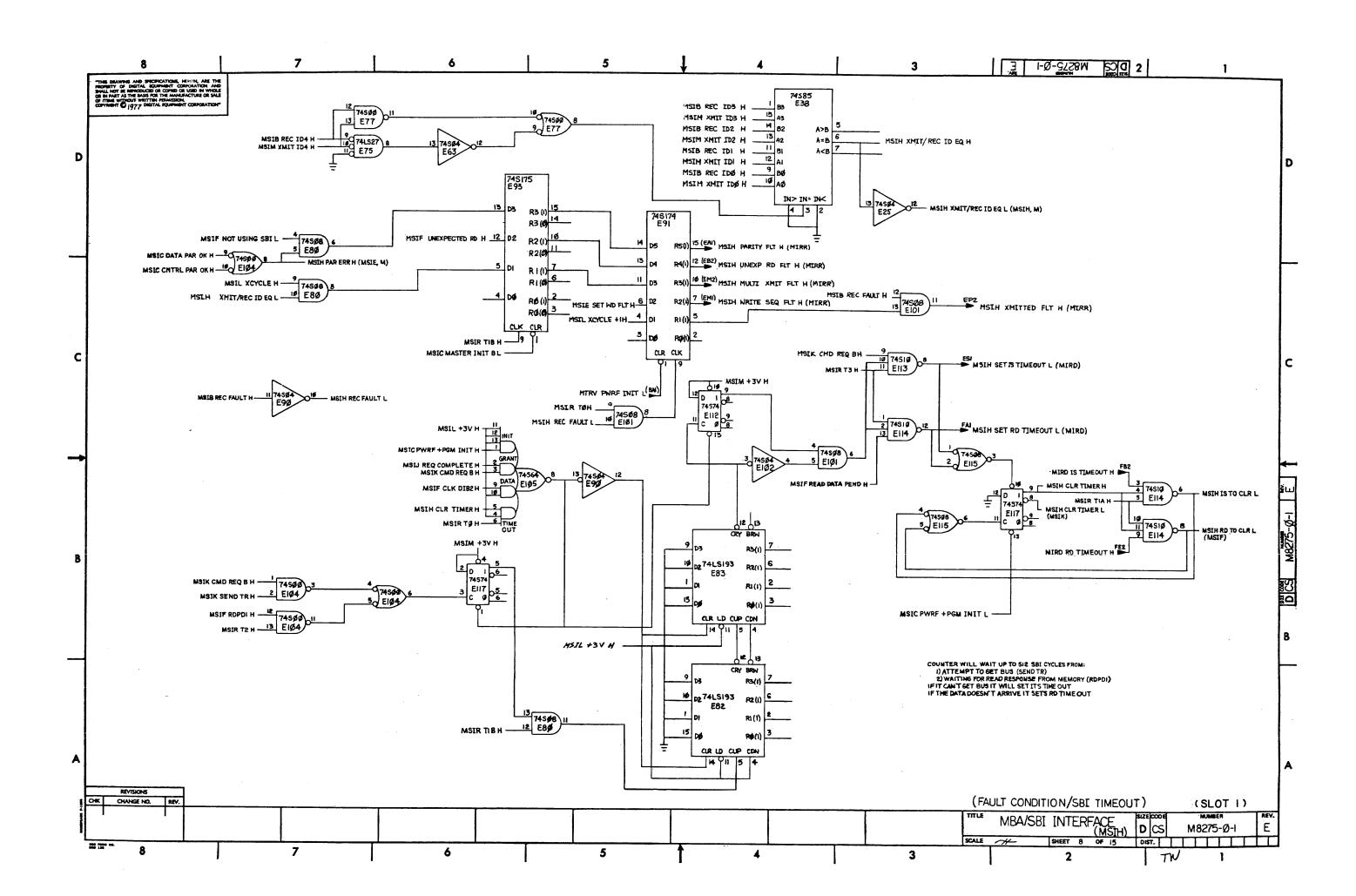


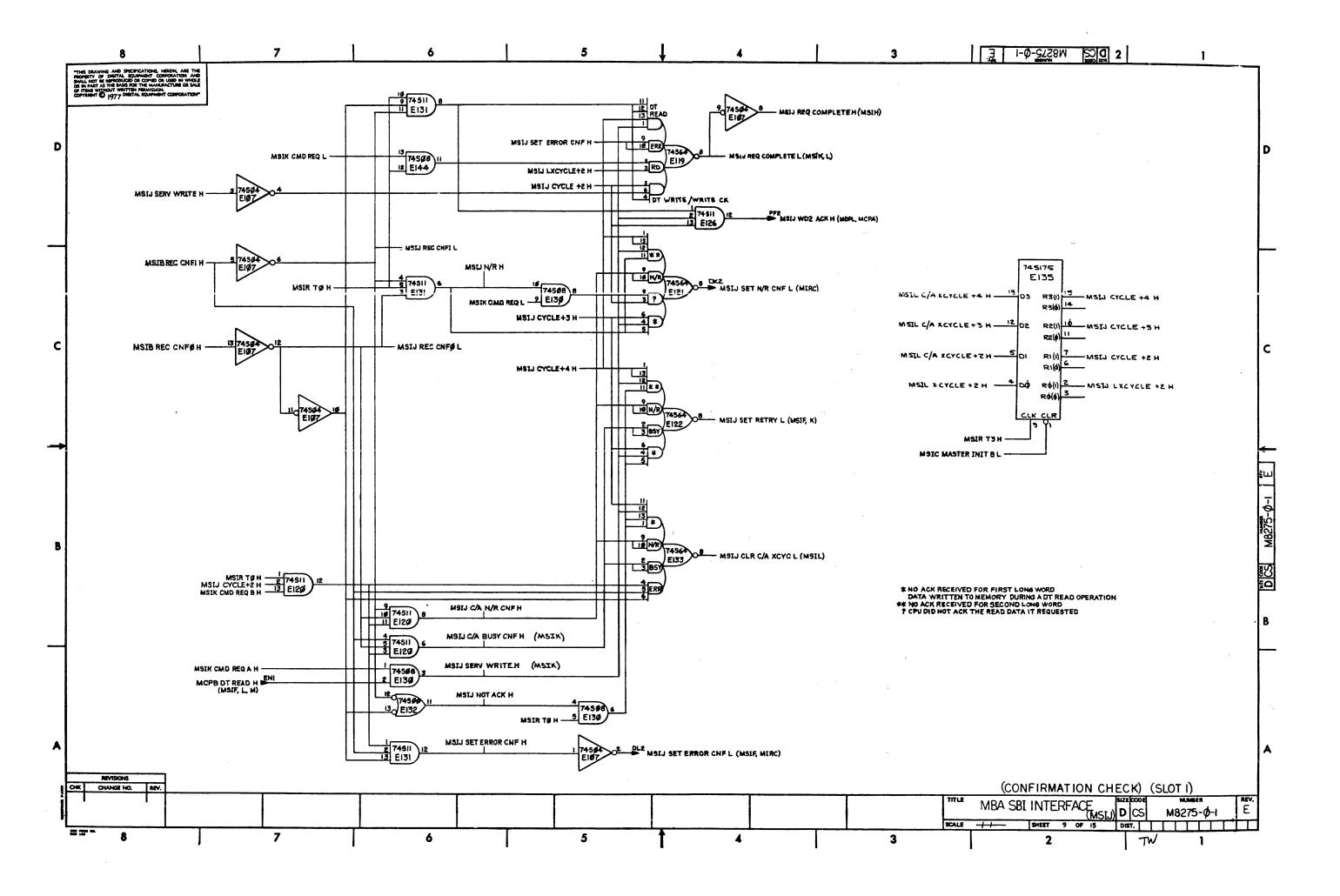


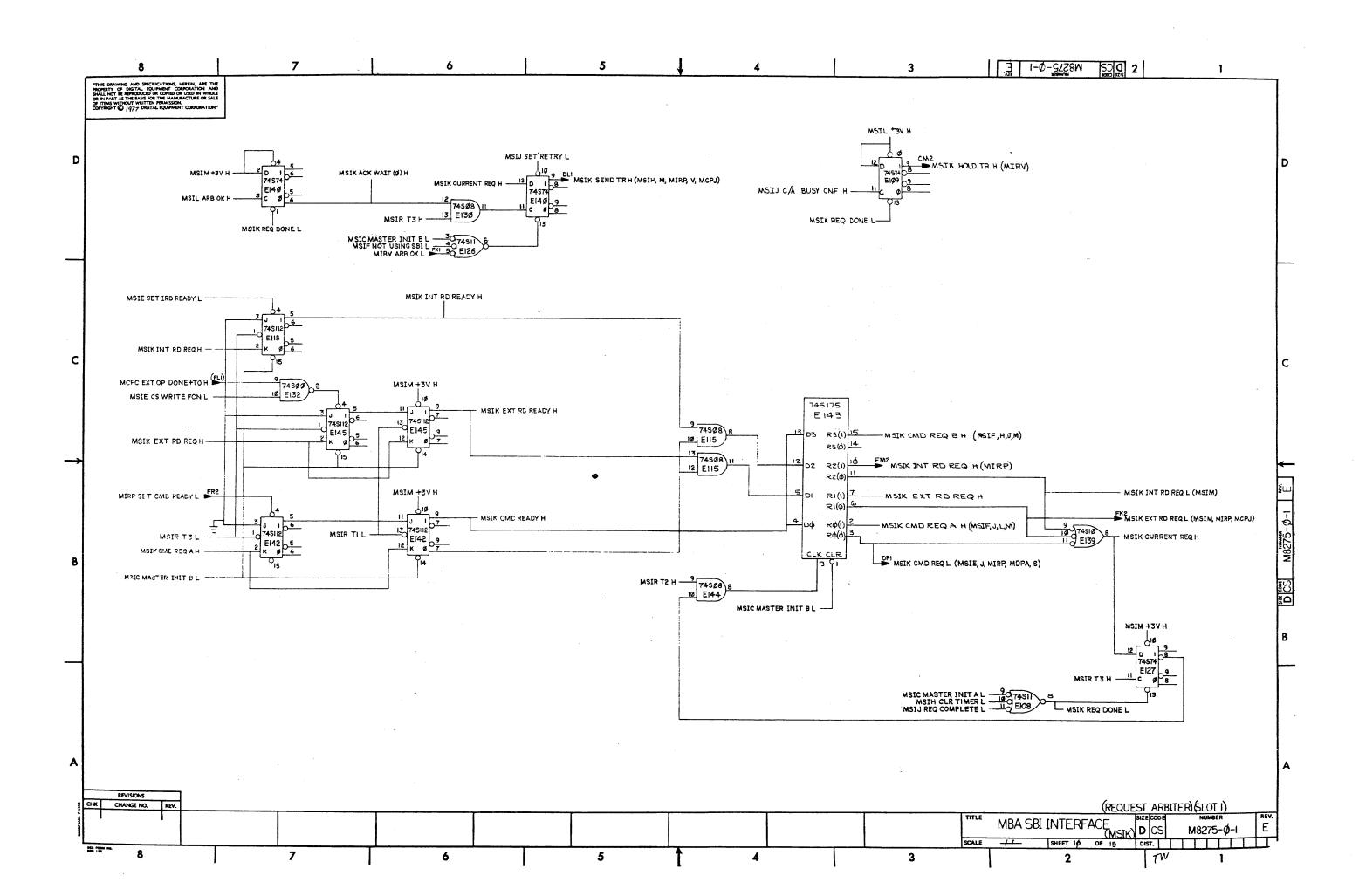


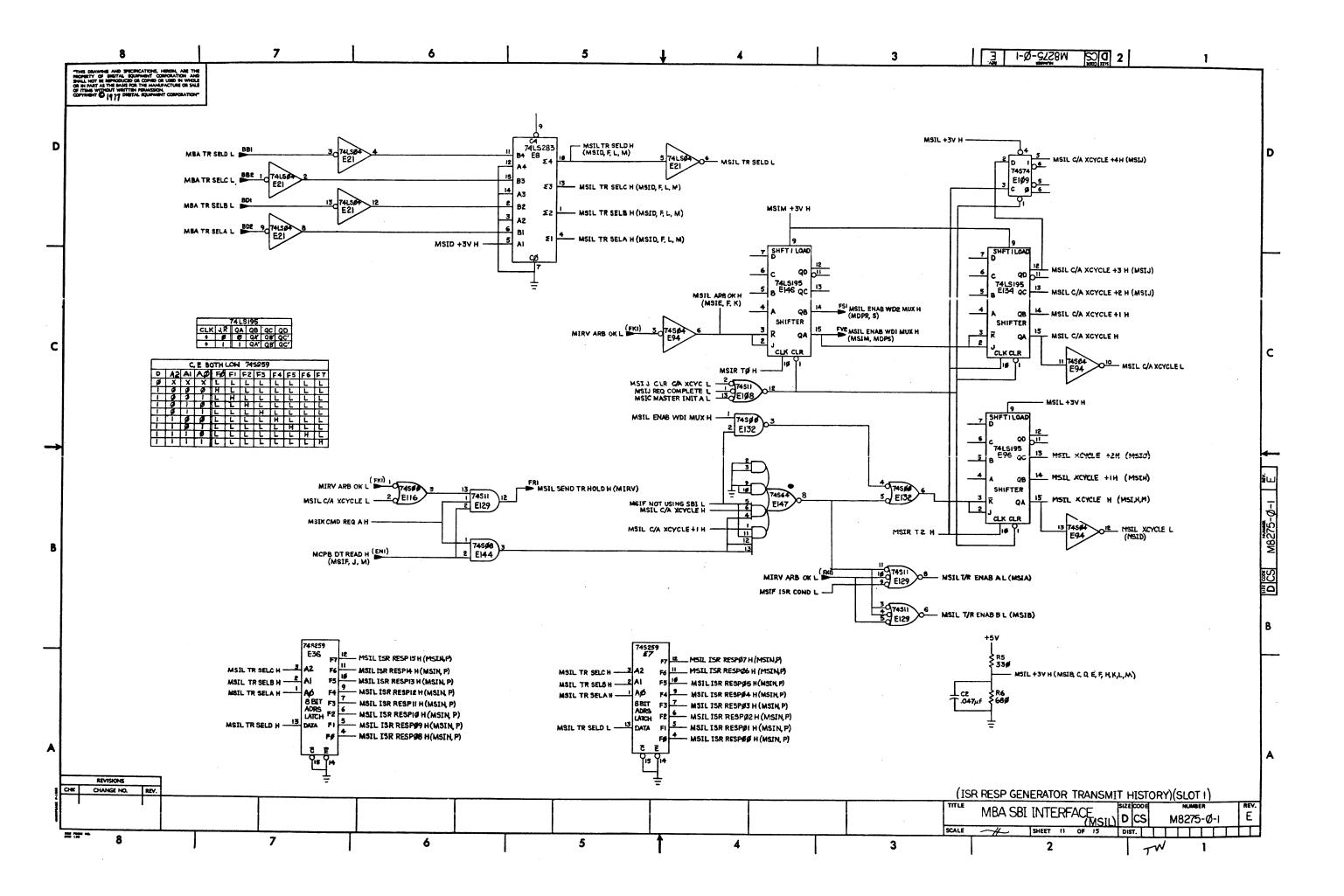


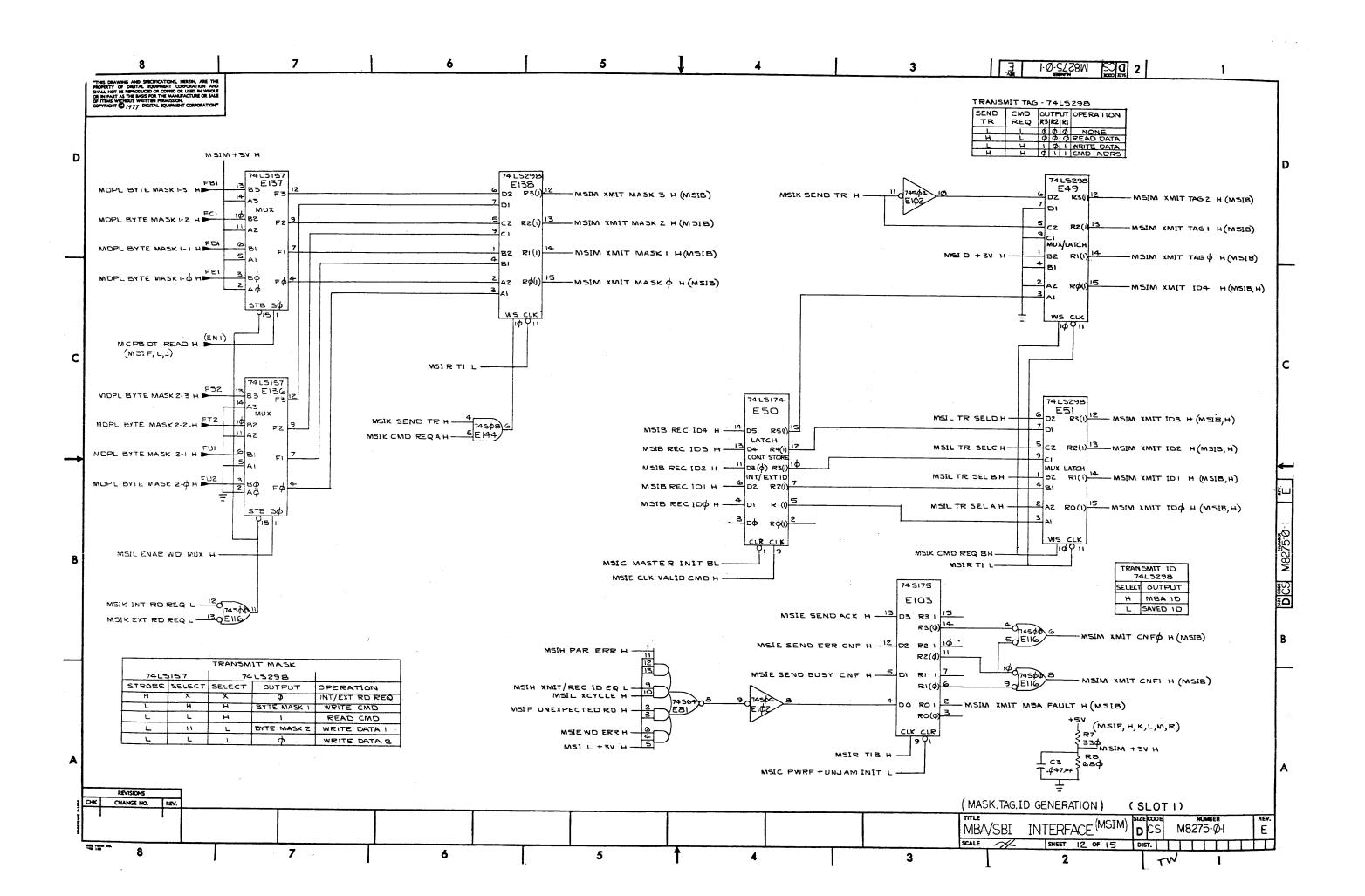


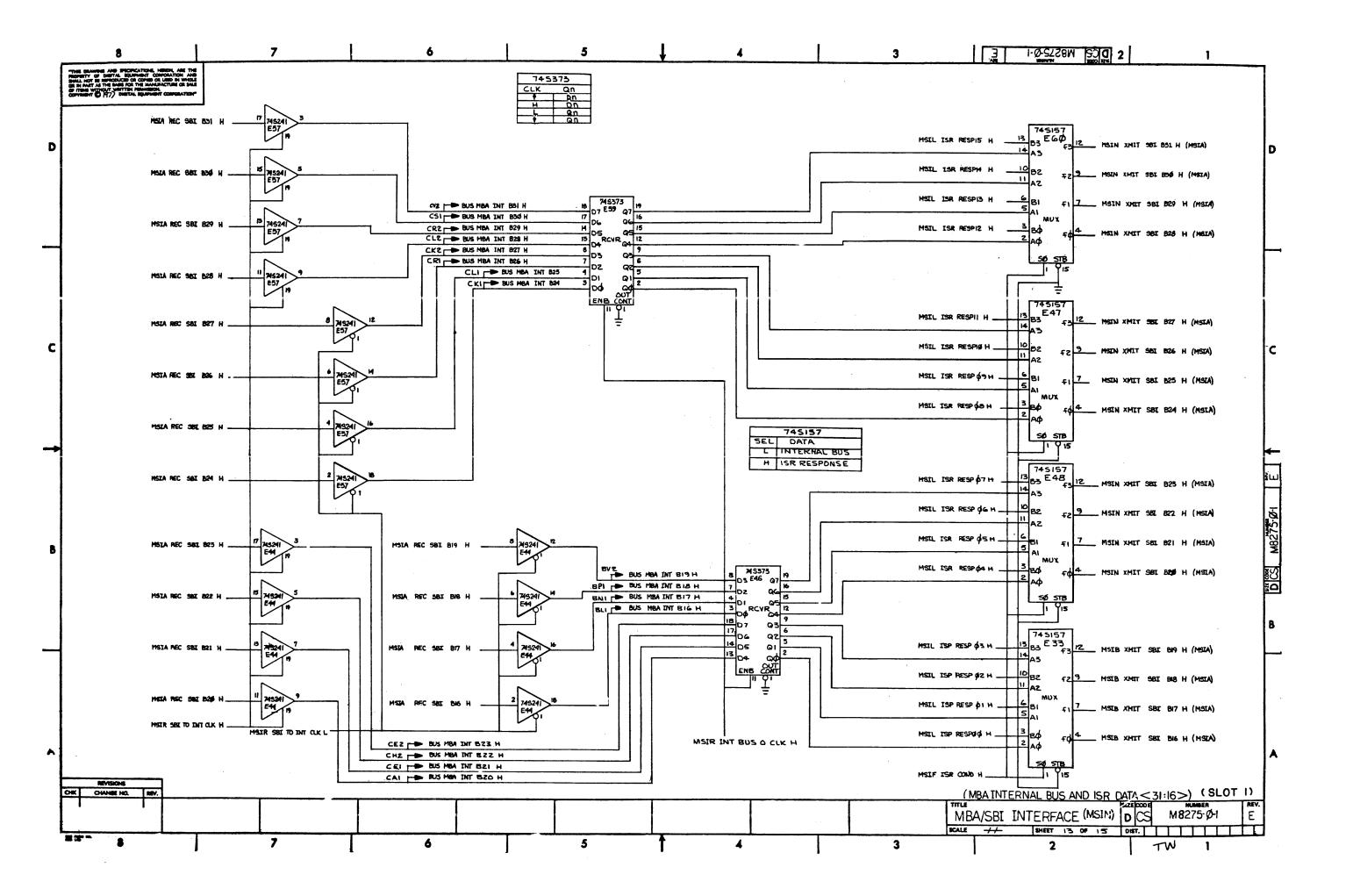


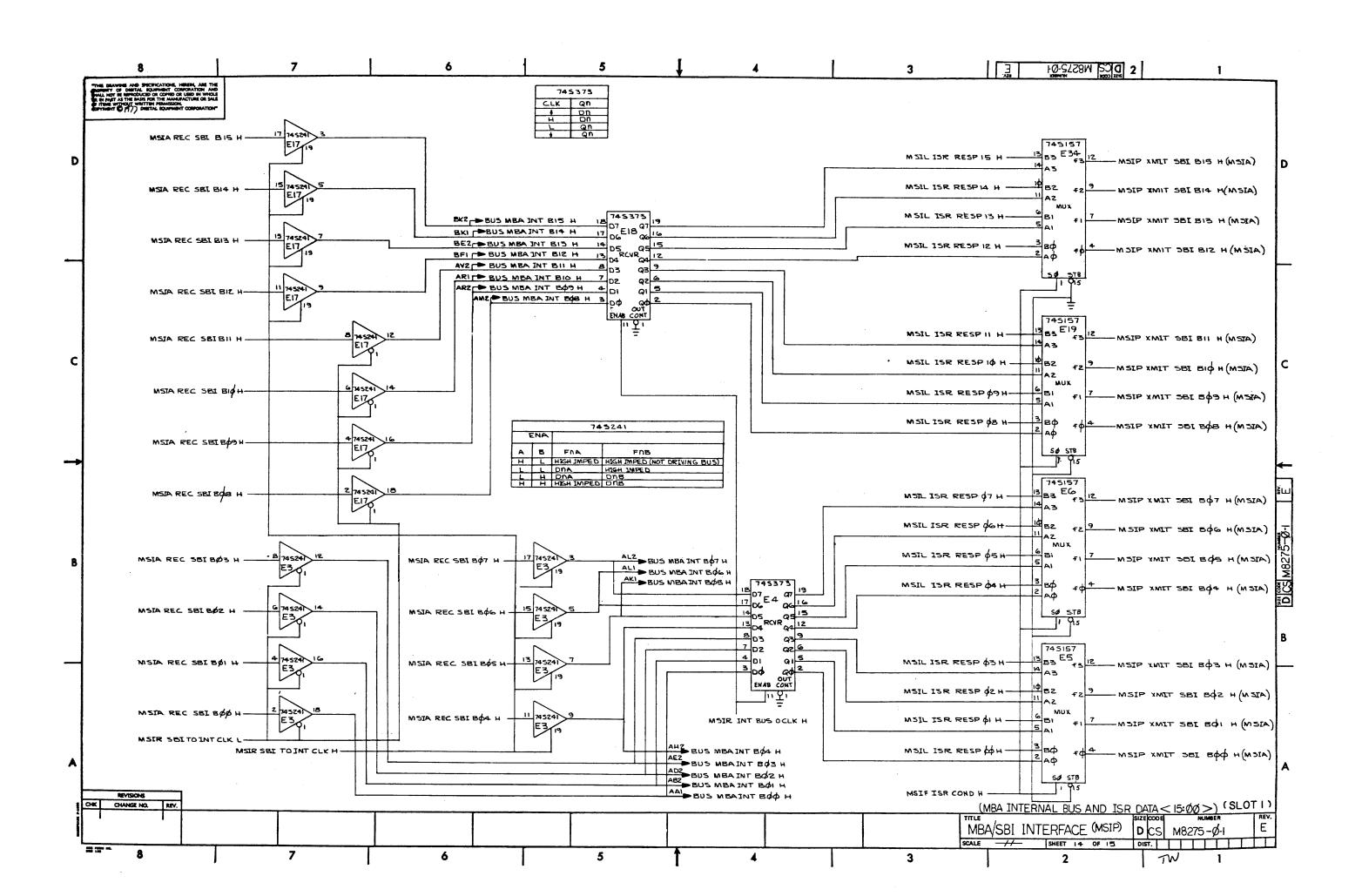


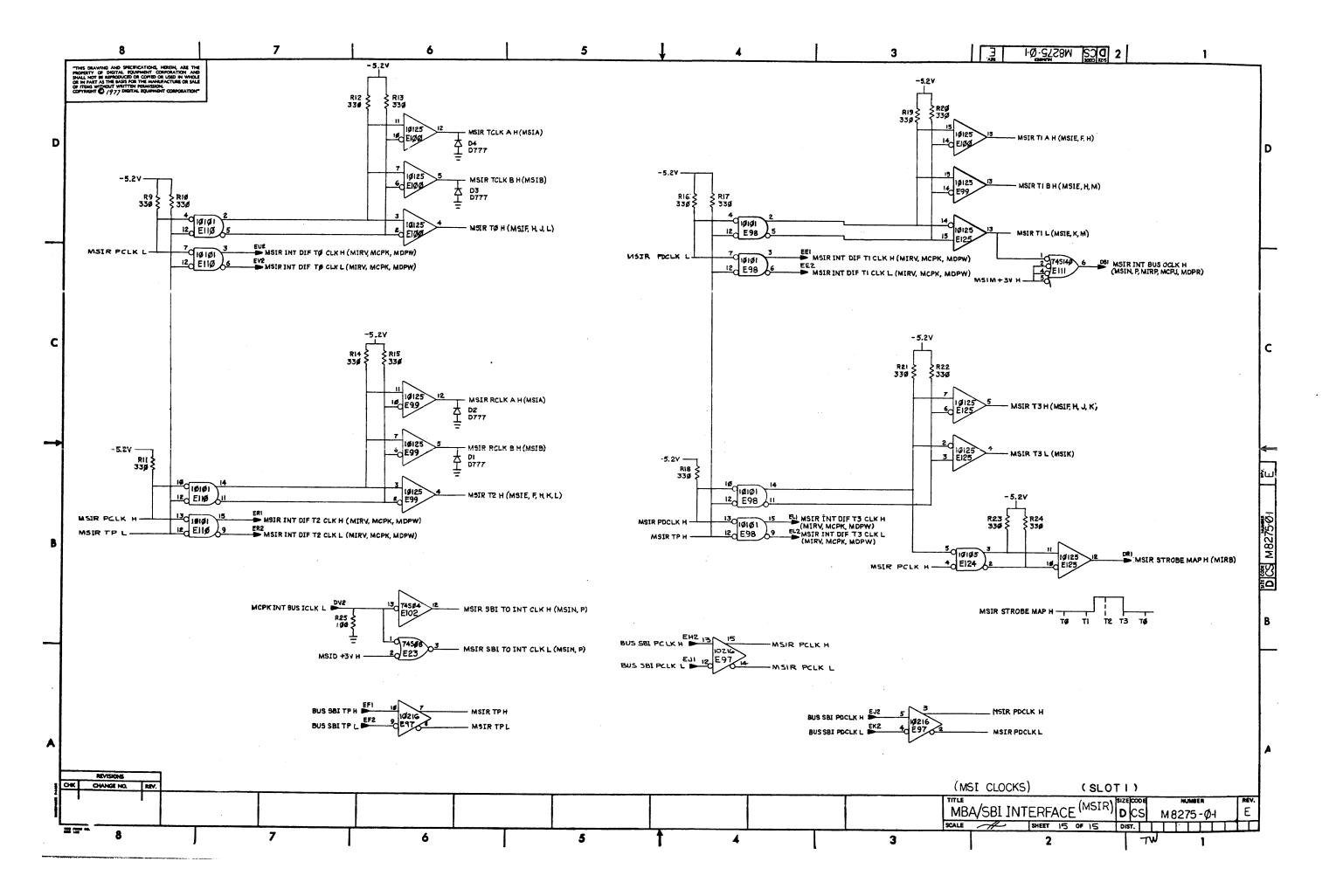


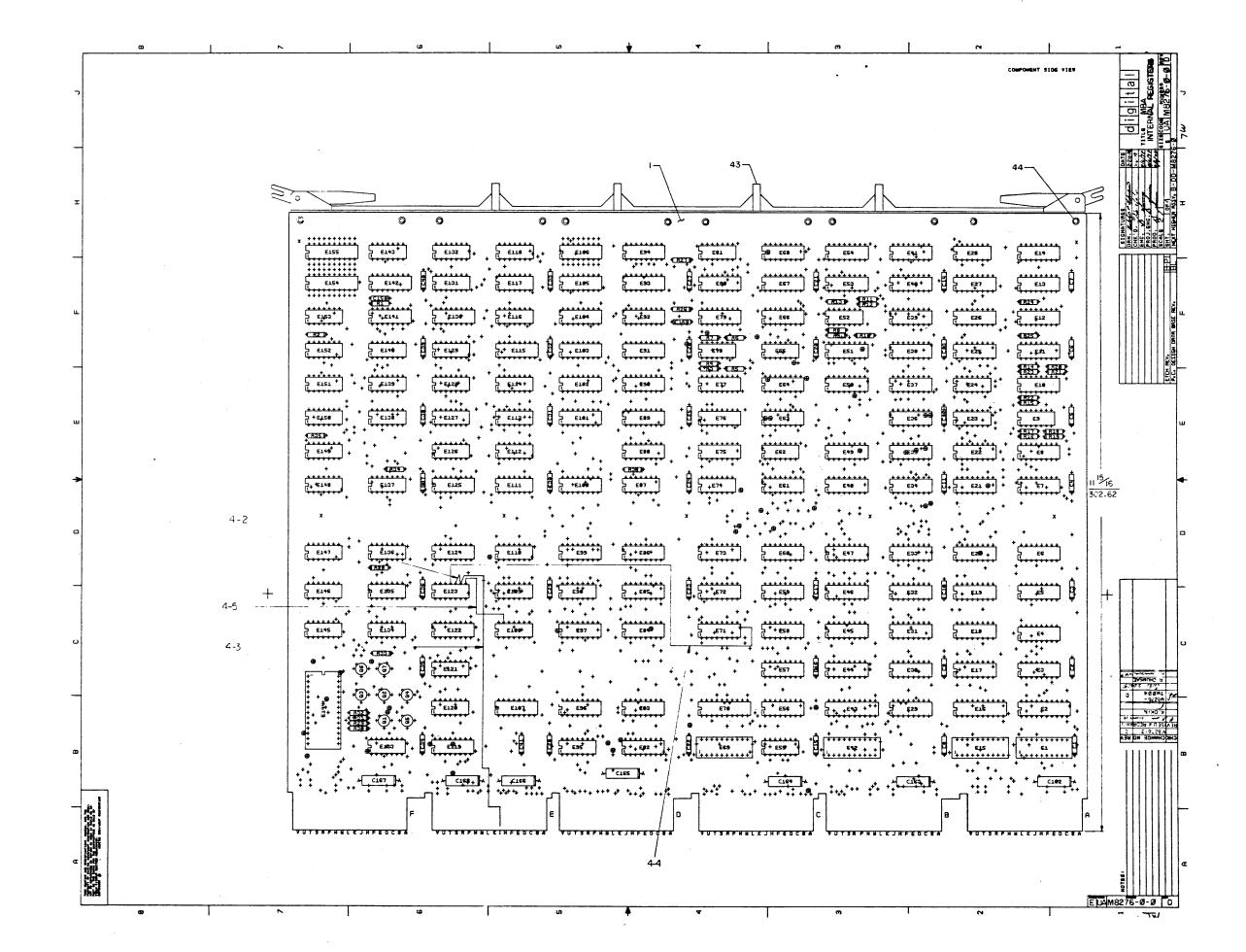






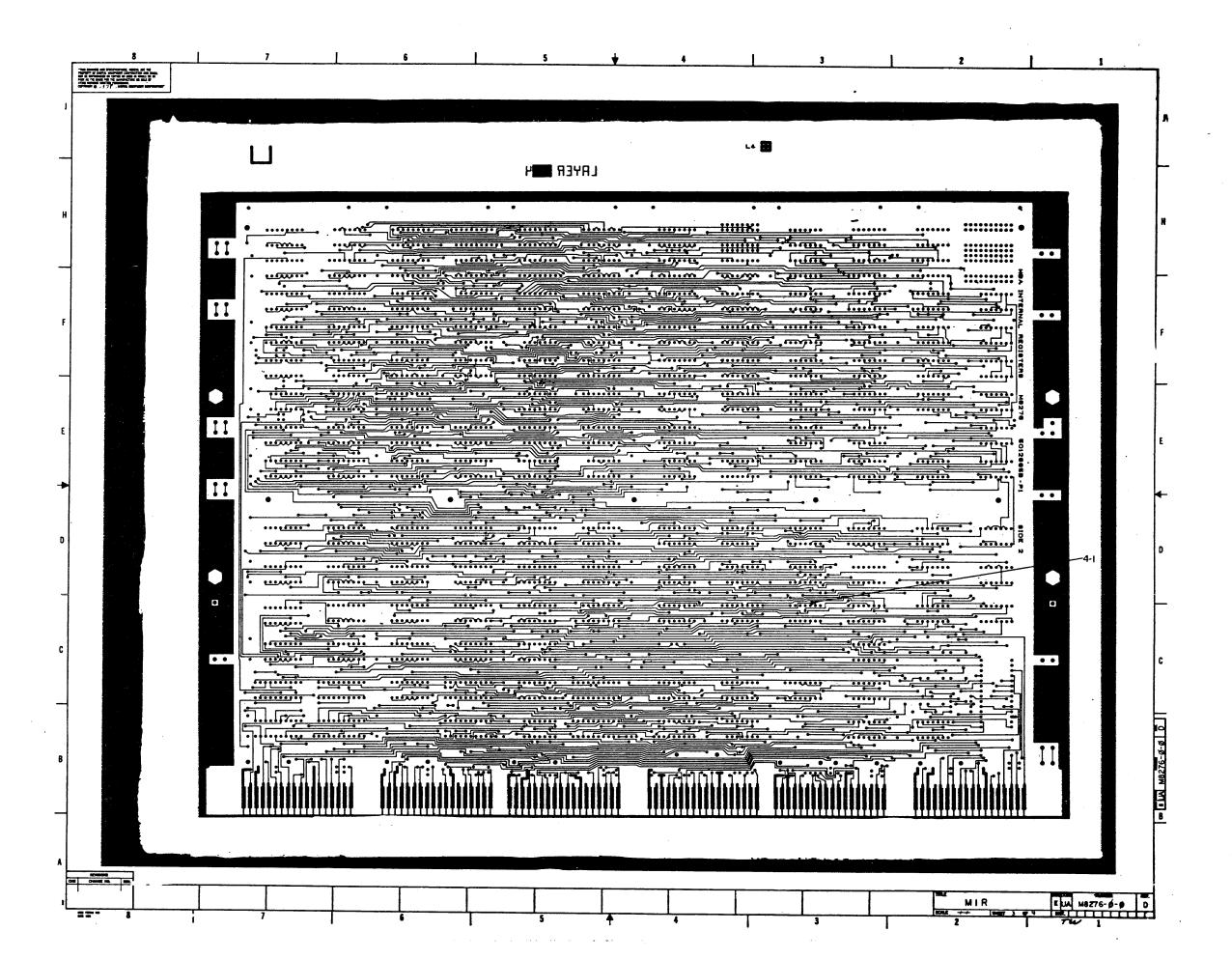






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0 0-0-4758MAU 3 REWORK INSTRUCTIONS: ECO *4 ETCH CUTS-SIDE 2
44. CUT ETCH CONNECTED TO EXIBER. WIRE ADDS-SIDE I
4-2. EI23-ID TO EI23-9.
4-3. FROM EI23-9 TO MODULE PIN EUI.
4-4. FROM EI23-11 TO FEED THRU TO THE
LOWER RIGHT OF E77-9 (WITH ETCH
CONNECTED TO MODULE PIN (NI)
4-5. FROM EI23-8 TO EI08-13. DOLLMENT MANGER

E UAM8276-0-0

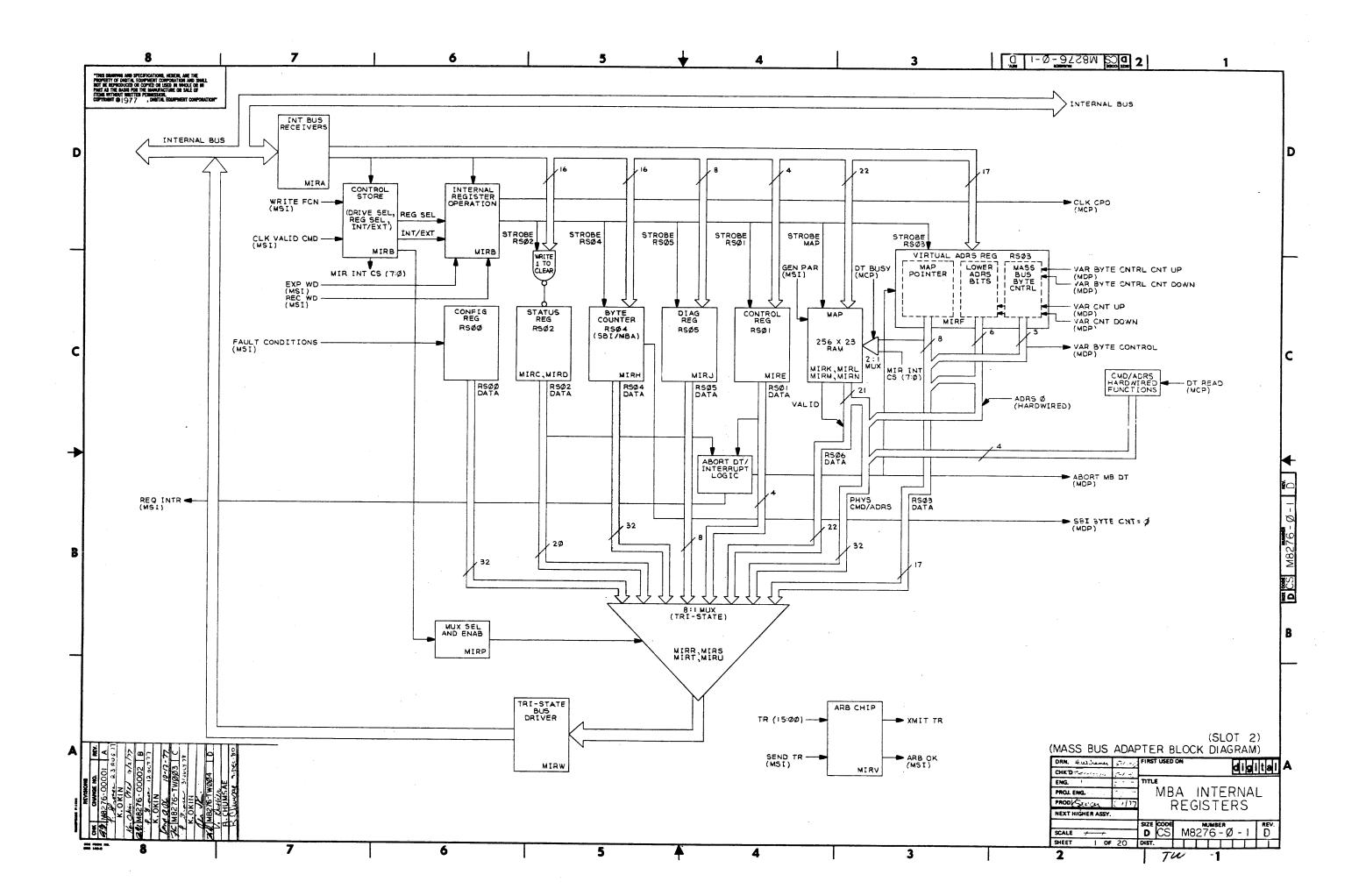
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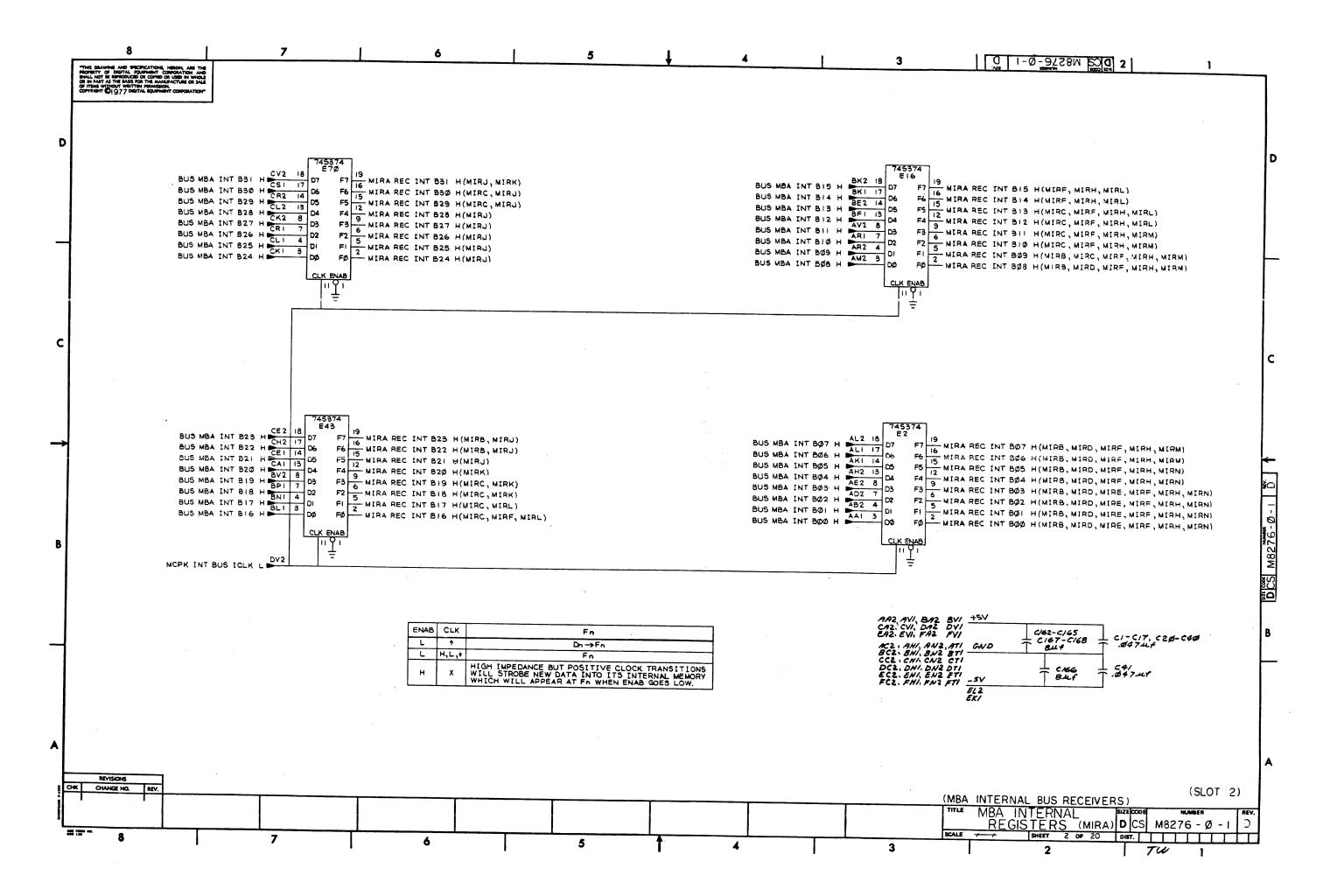
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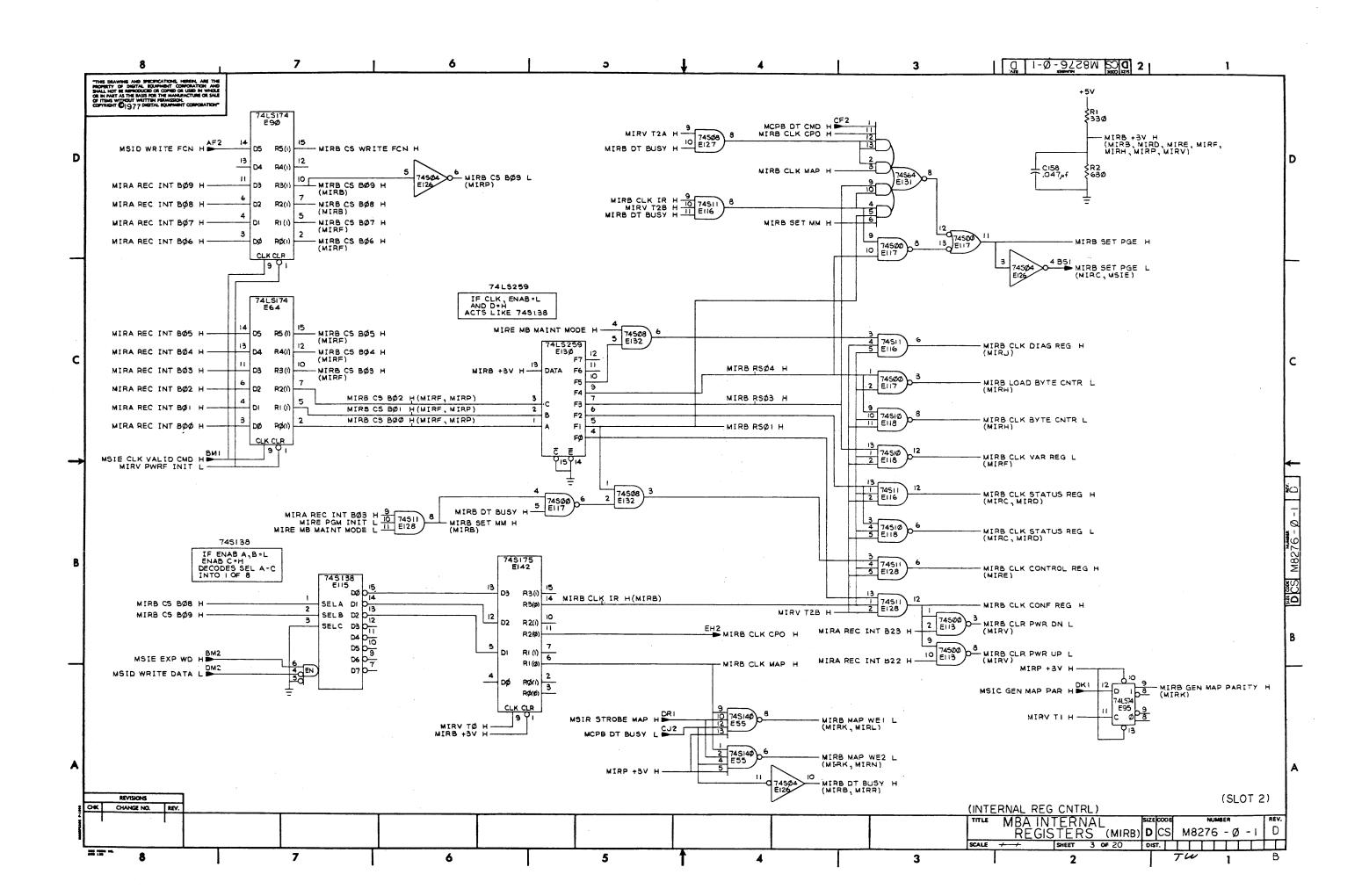
| AUTOMATED BY PRILST.2E(3) | | | | | F A | RTS LIST | | | | SHEET A2 OF A2 |
|--|--|----------|--------|---|---|--|---|-----|----------|---|
| LINE | ITEM | DOCUMENT | NUMBER | PART NUMBER | DESCRIPTION | 1 | 00 00 | PER | VARIATIO | N REFERENCE DESIGNATOR |
| 29 30 31 32 33 34 35 36 37 38 39 40 | 29 30 31 32 33 34 35 36 37 38 39 | | | 1912697-00 1910957-00 191096-00 1911573-00 1913462-00 1912860-00 1913671-00 1911469-00 1911415-00 1913294-00 1913730-00 1912069-00 | LS174 745175 DEC 74191 748280 748240 LS259 748374 DEC 8640 10125 93816 | FF-D HEX W/CLEAR FF-D QUAD COMMON CLO COUNTER, SYNCHR, UP/D PARITY GEN/CHKR, 9BIT OCTAL BUFFER, INVERTI LATCH 8BIT FF-D OCTAL TRISTATE RECEIVER, BUS, QUAD, U ECL TO TTL TRNSLTR COUNTER, SYNCH UP BIN PRIORITY ARBITRATOR MEMORY READ/WRITE, 25 | 4 1 5 3 4 1 4 1 1 8 1 23 | | CONT | E56-E60,E67,E68,E79,E30,E89, E91-E94,E101-E105 E64,E71,E83,E90 E142 E72,E73,E75,E76,E88 E23,E62,E65 E1,E15,E42,E69 E130 E2,E16,E43,E70 E146 E119 E34,E36,E38-E40,E61,E66,E35 E144 E3-E8,E10-E14,E17-E21,E25-E27, |
| 41 42 43 44 45 | 41 42 43 44 45 | | | 1912824-00 1912805-00 1210711-02 900024-01 9105740-55 | | FF-D DUAL, EDGE TRIGG AND GATE-QUAD 2IN, FO Y 12-16988-02 LED FLANGE, .121 OD X | 2 1 1 12 A/R | | CONT | E29-E32 E95,E145 E153 |

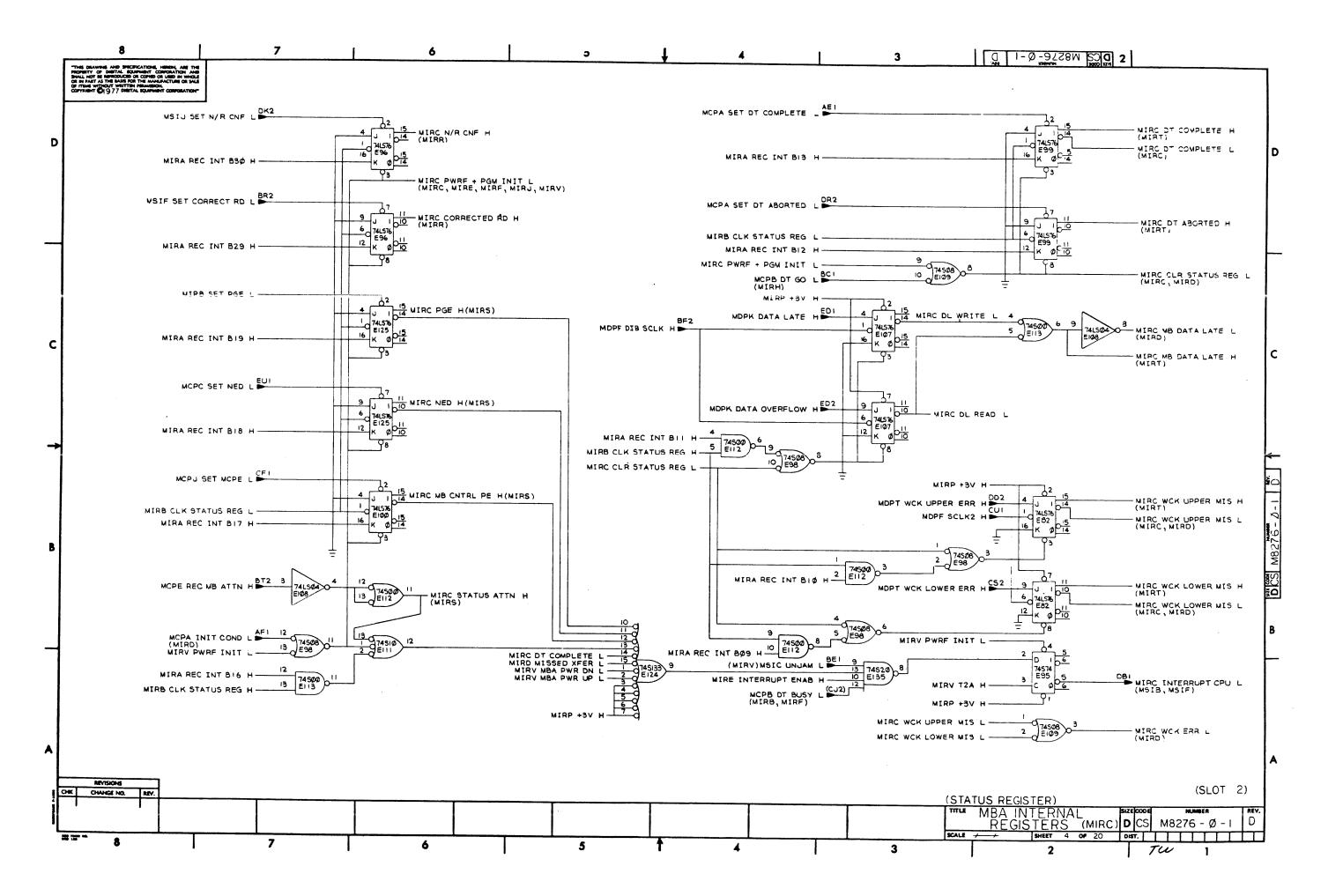
46 NOTE: SPARE I.C.'S ARE E106, E154, & E155

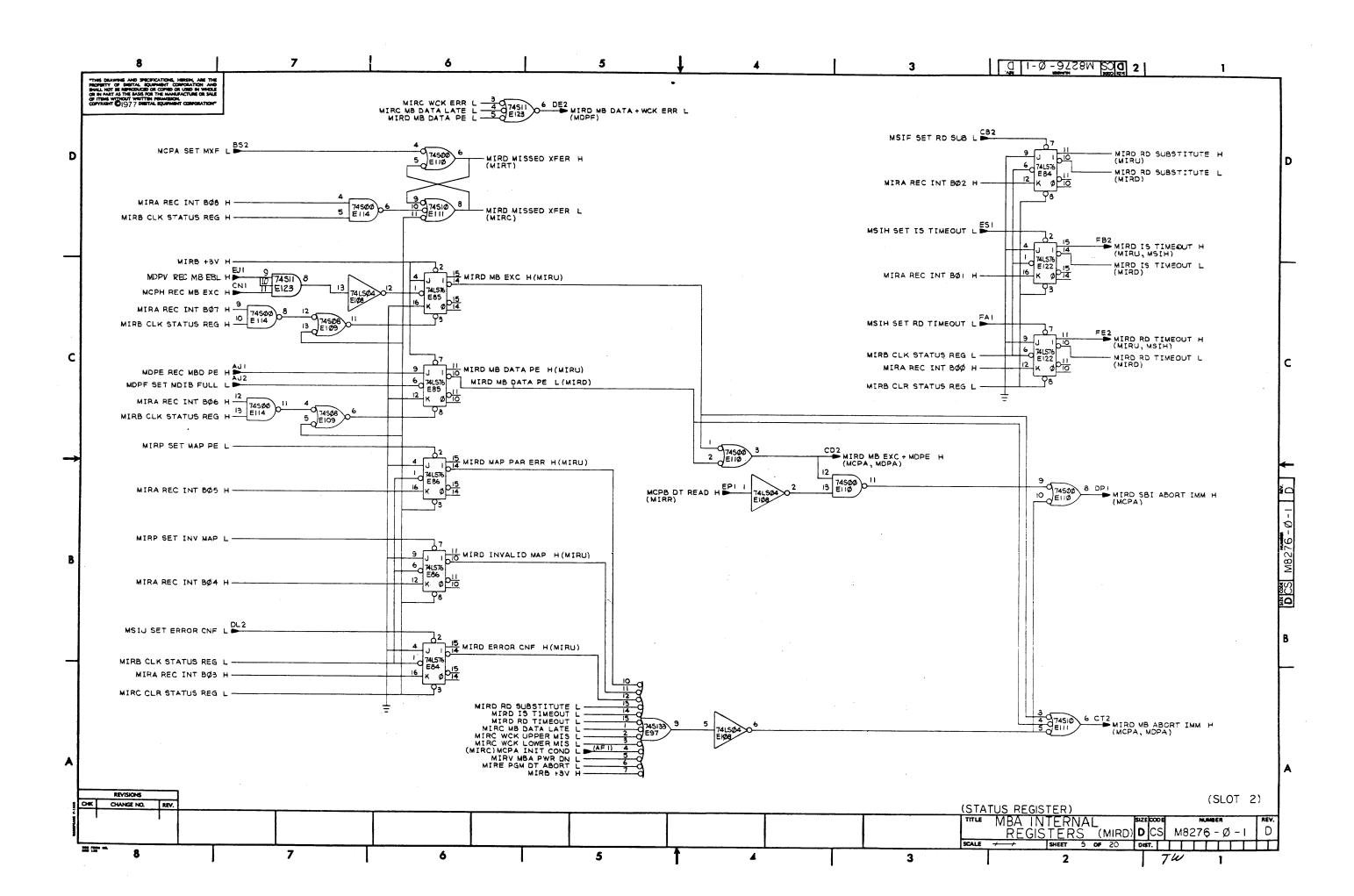
| | MBA INTERNAL REGISTERS | !SIZE!CODE! DOCUMENT NUMBER ! ! ! ! K ! PL ! M8276-0-DBP | ! REV ! ! ! D | - · · · · · · · · · · · · · · · · · · · |
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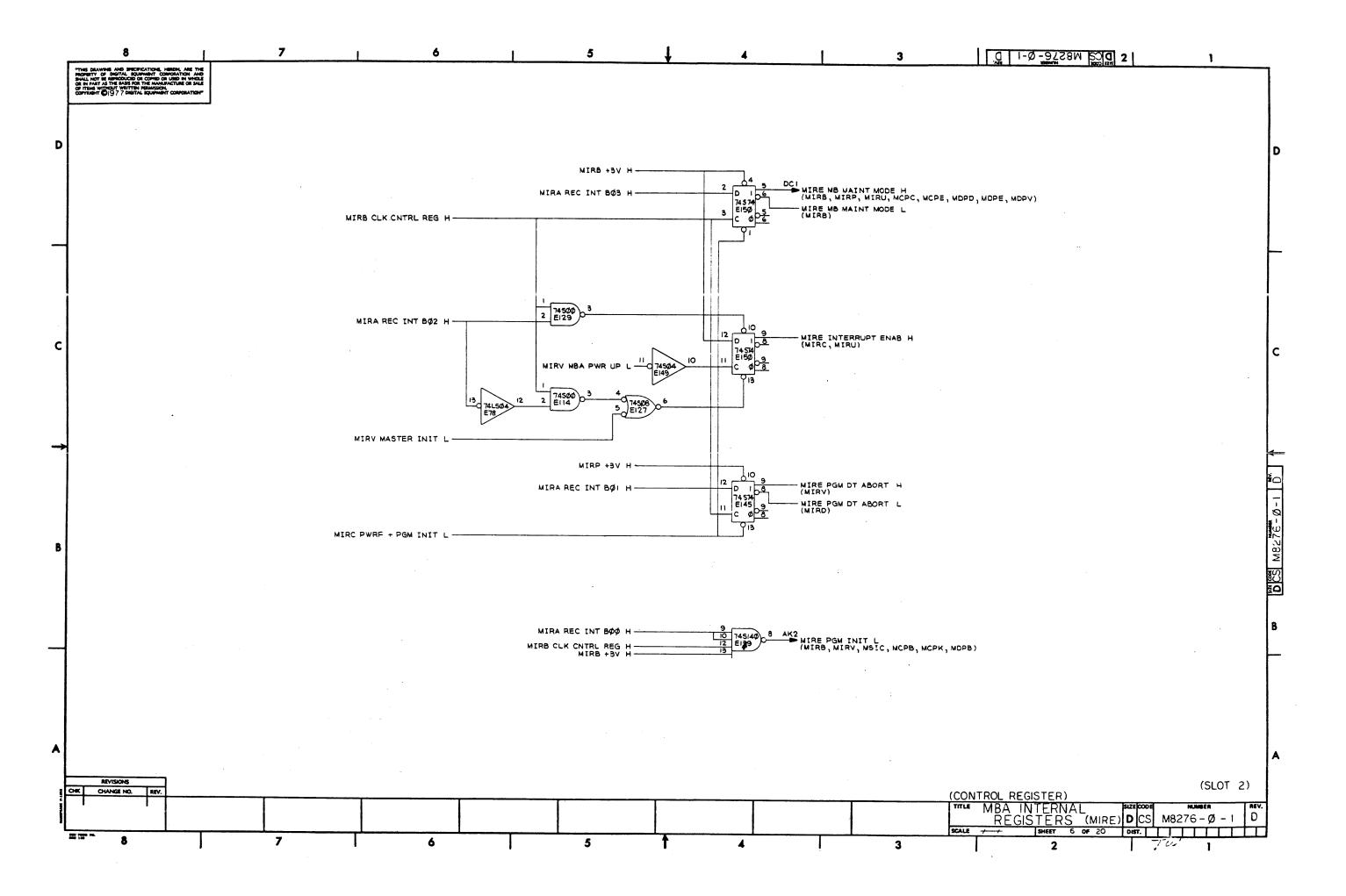


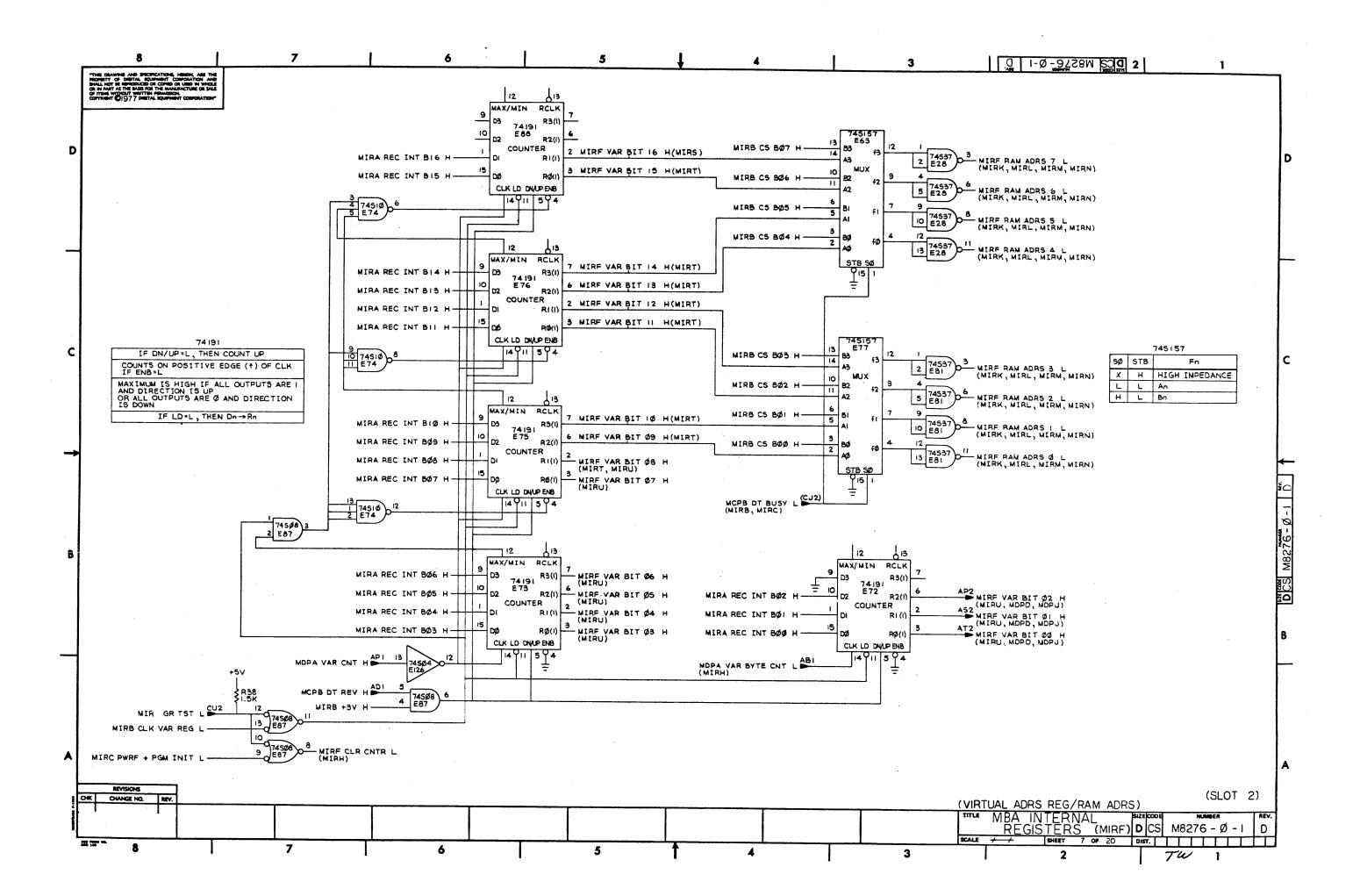


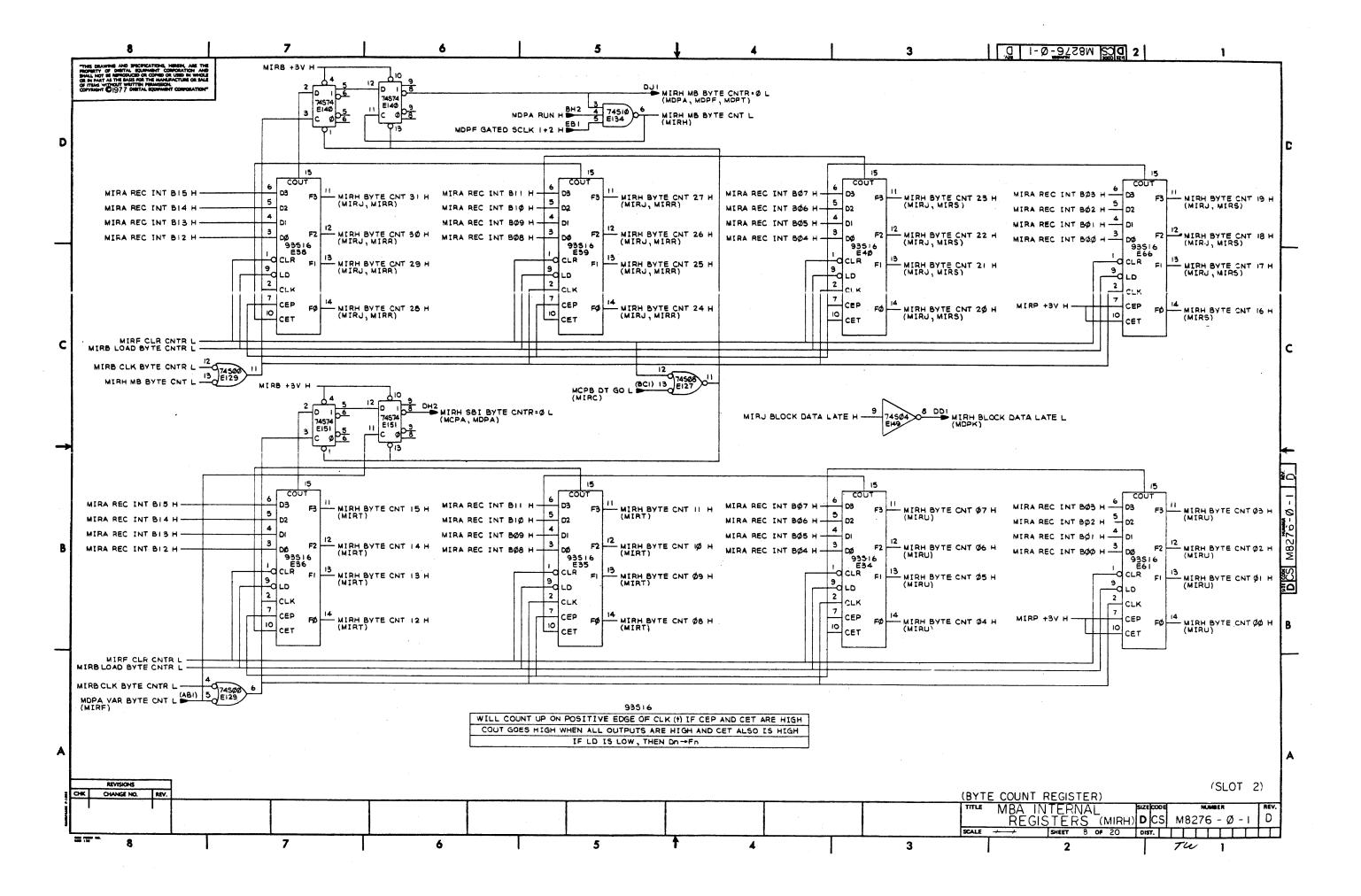


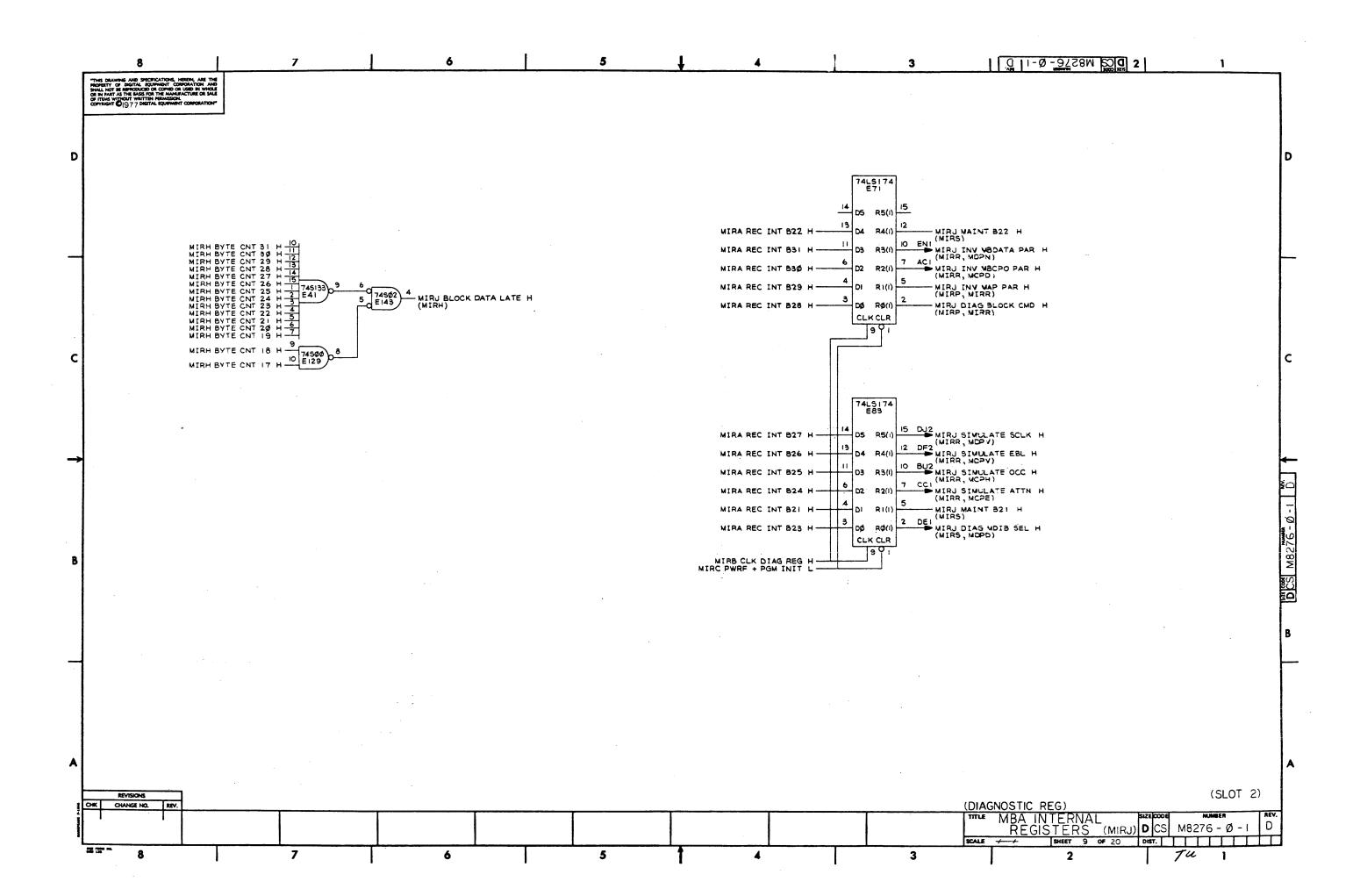


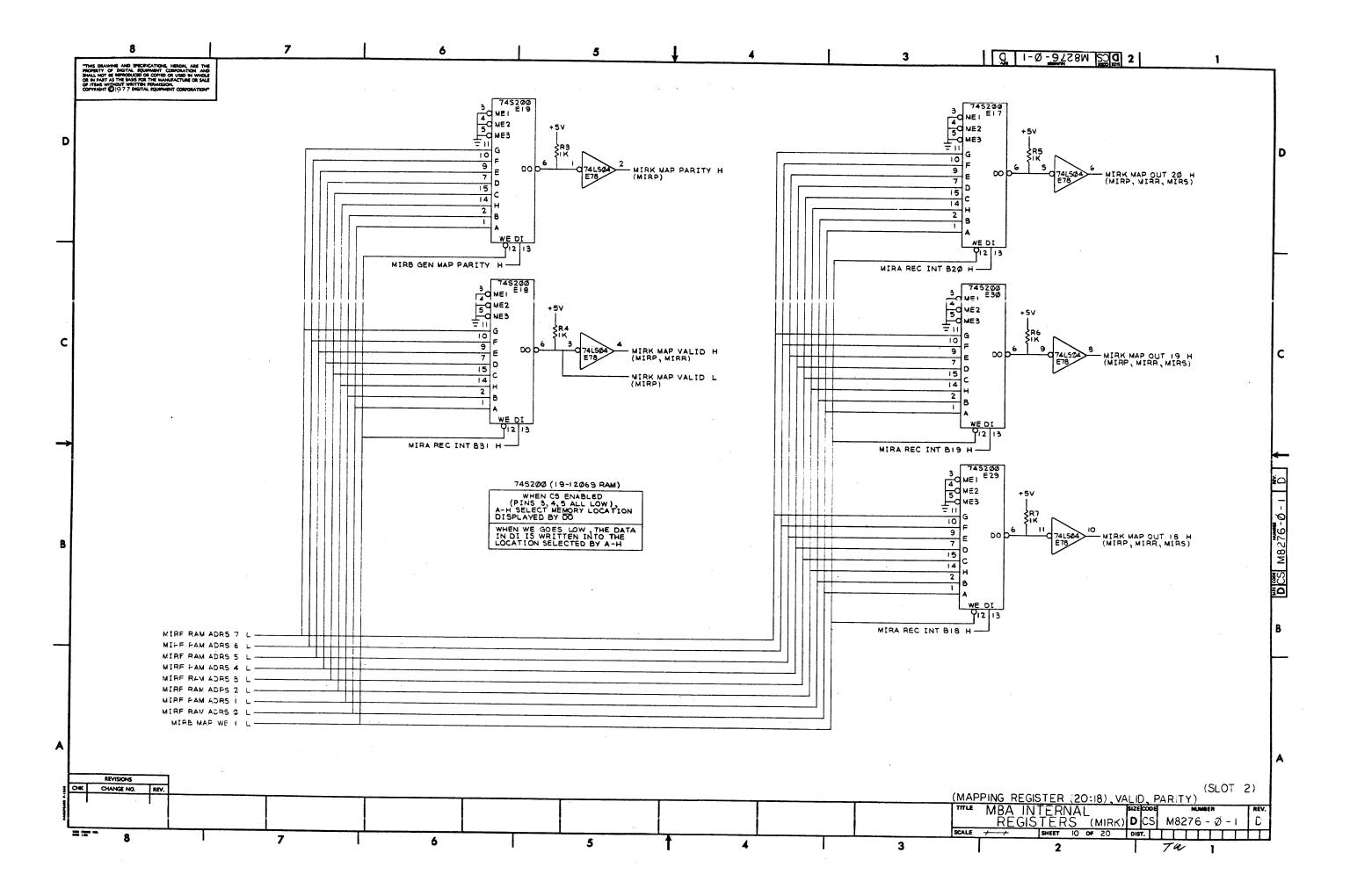


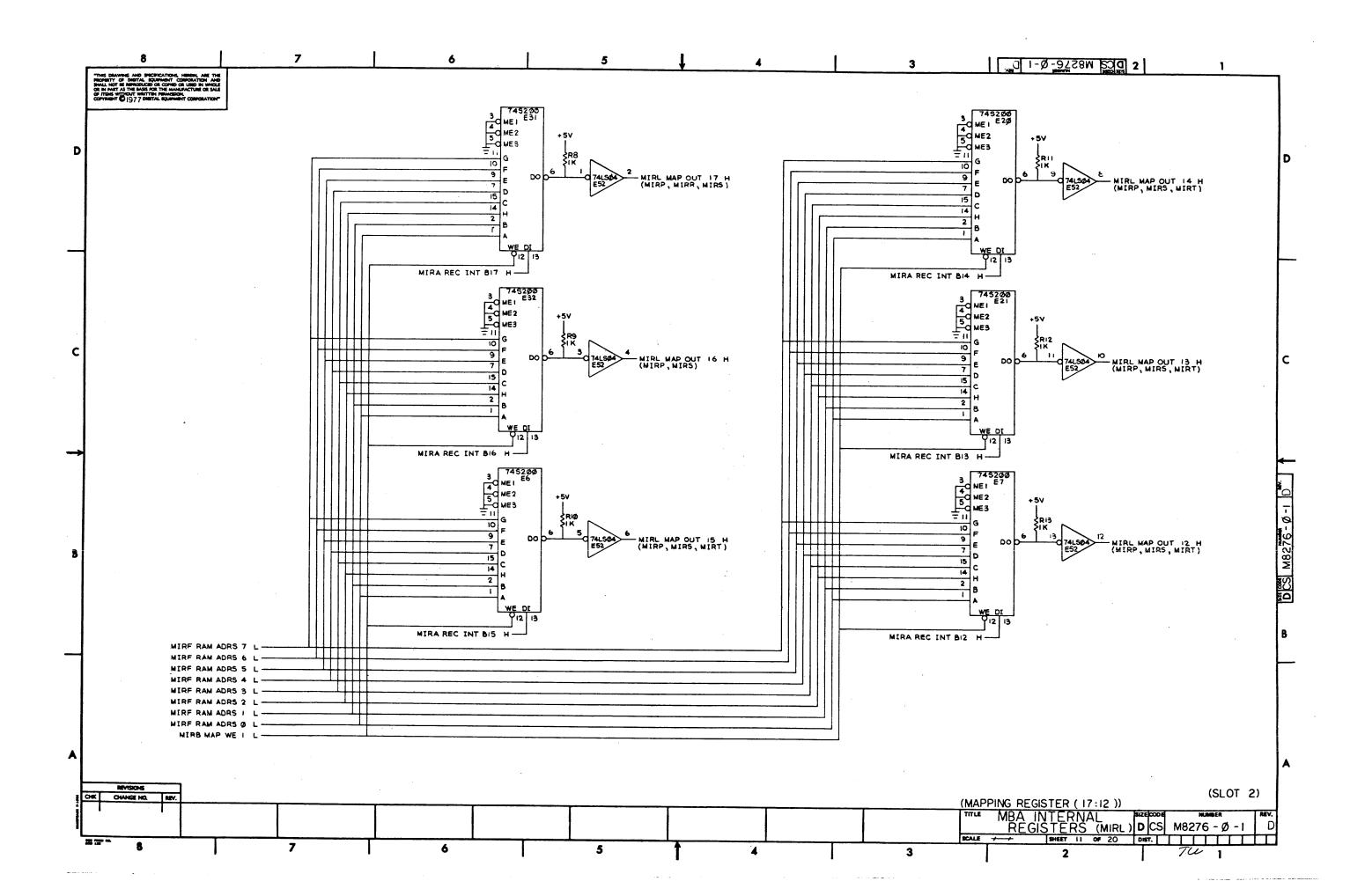


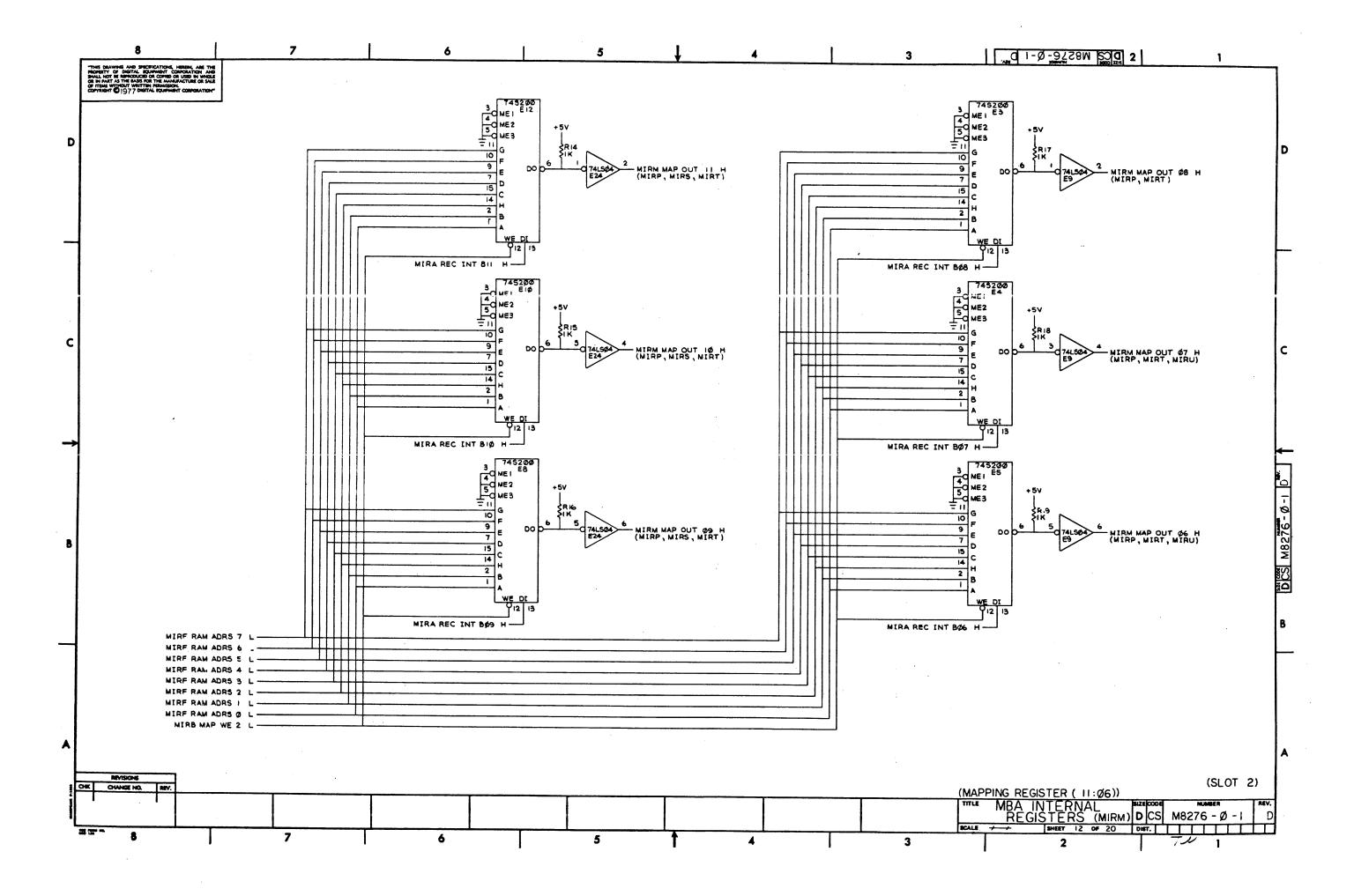


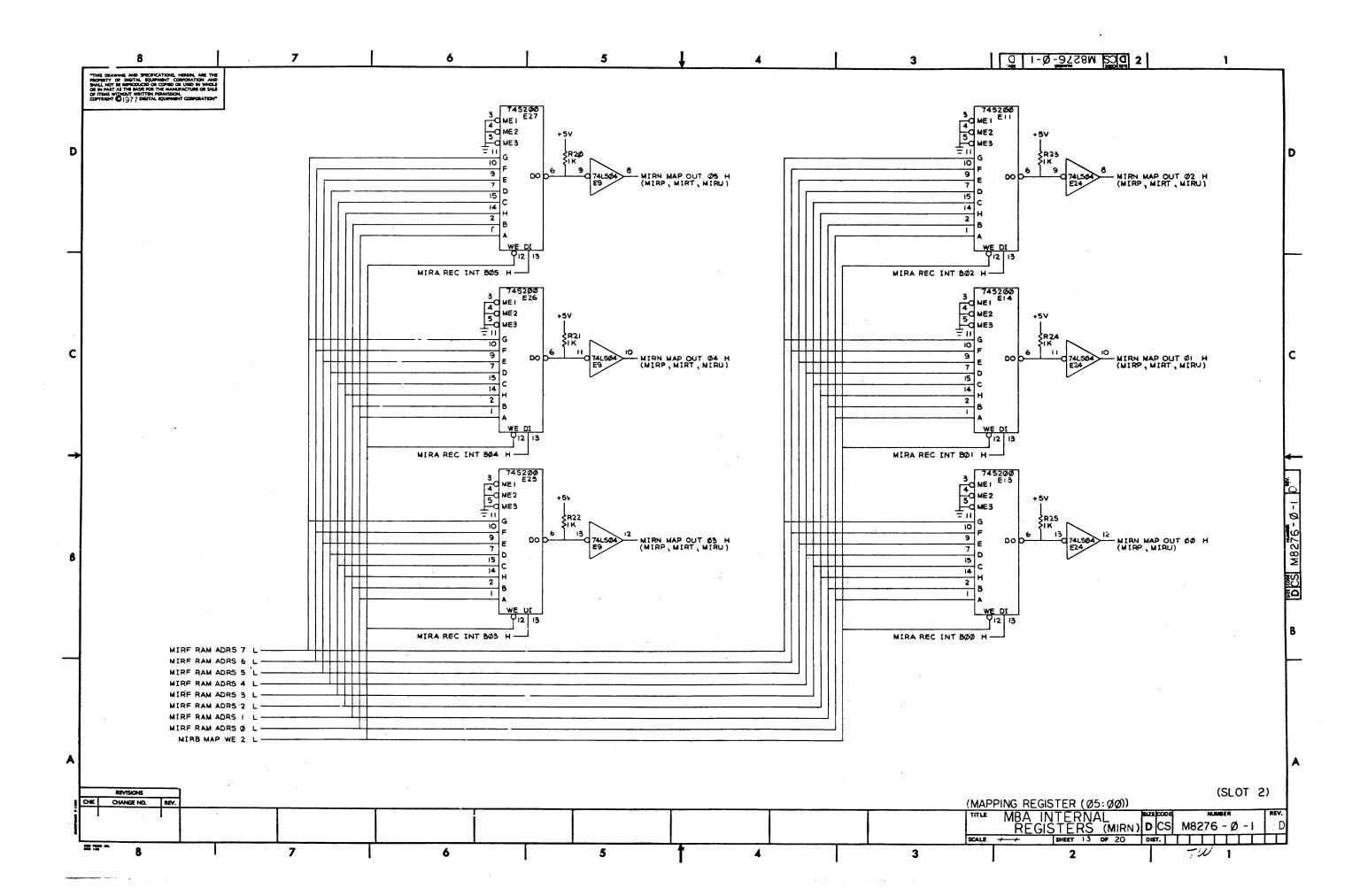


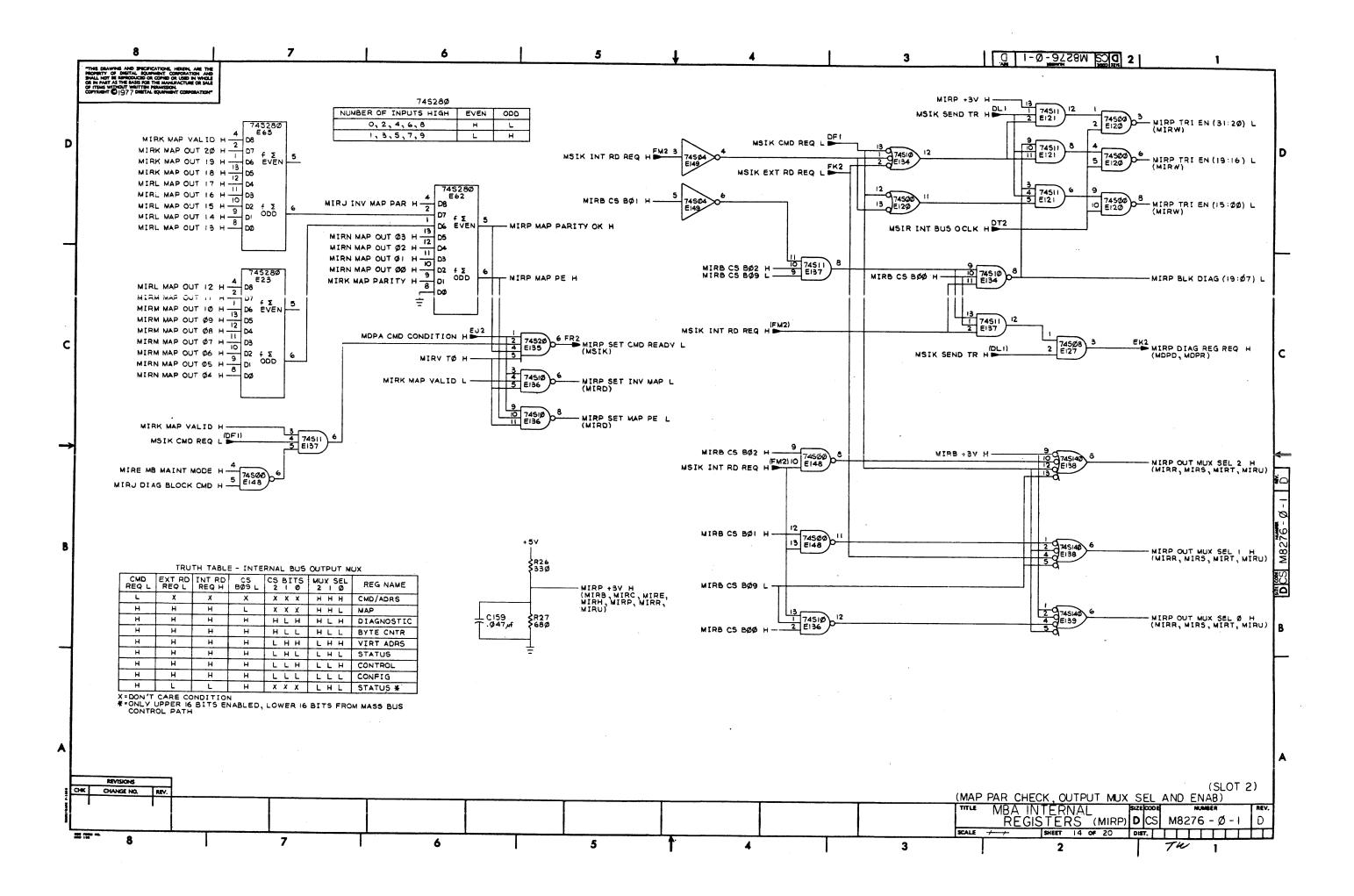


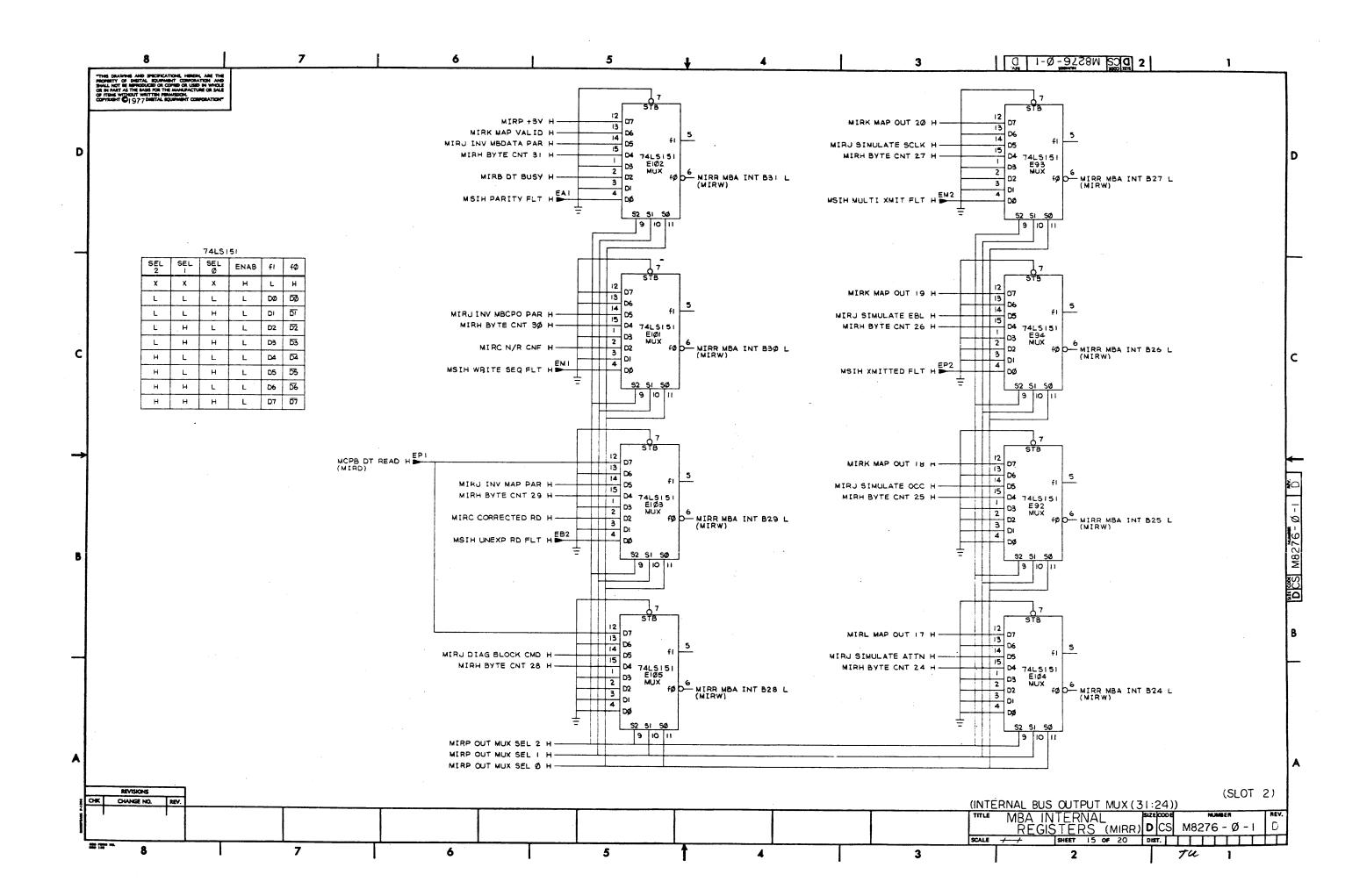


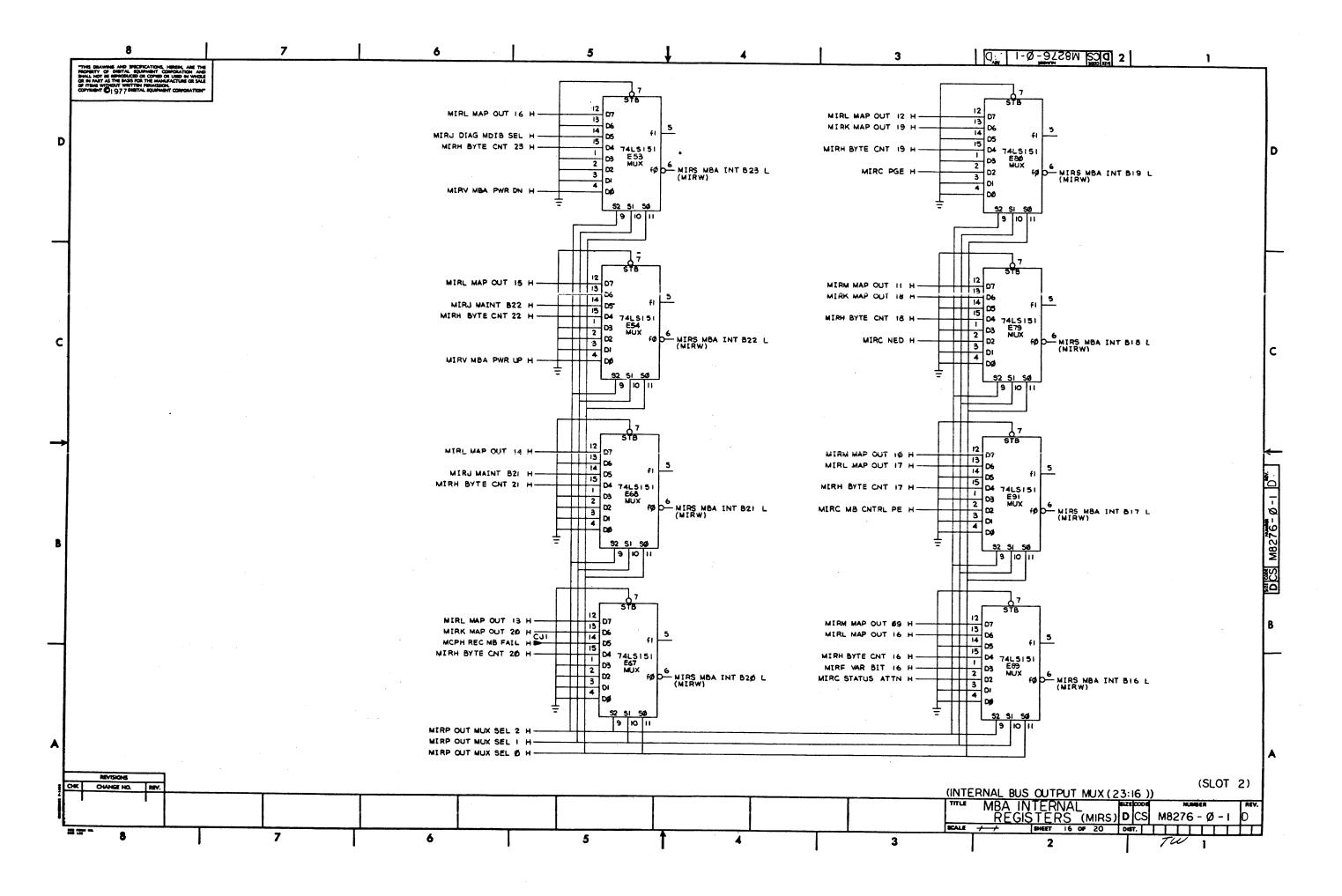


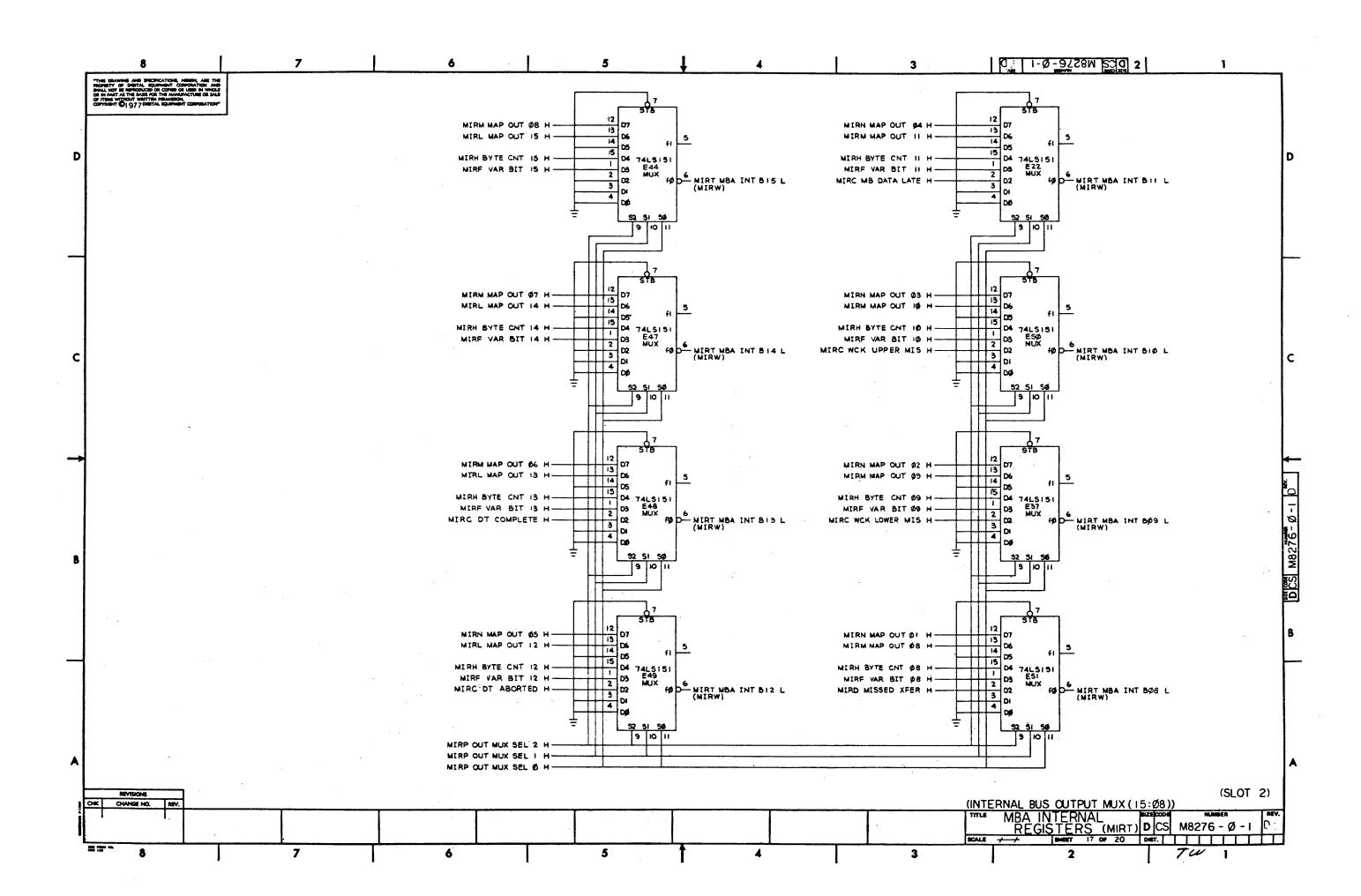


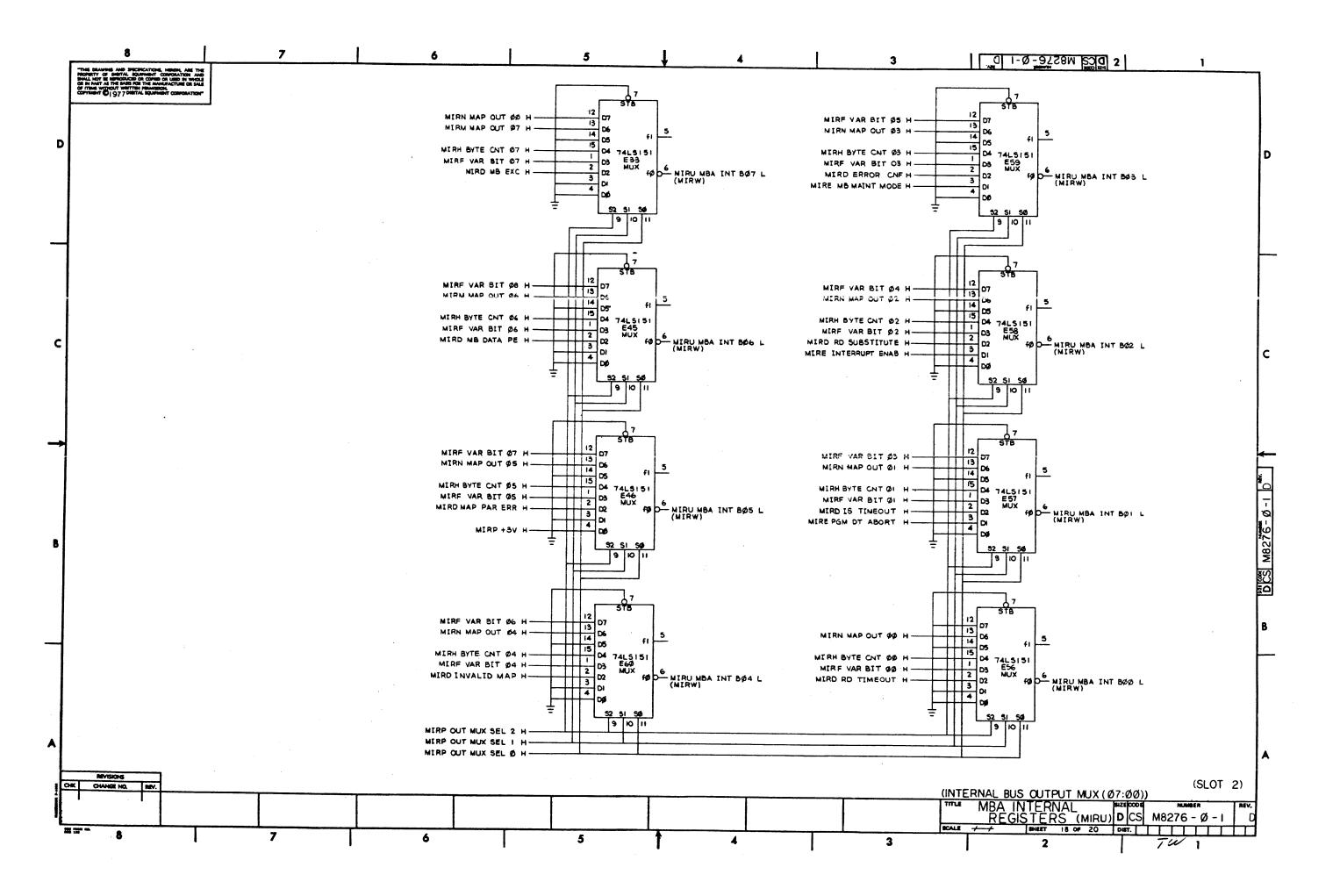


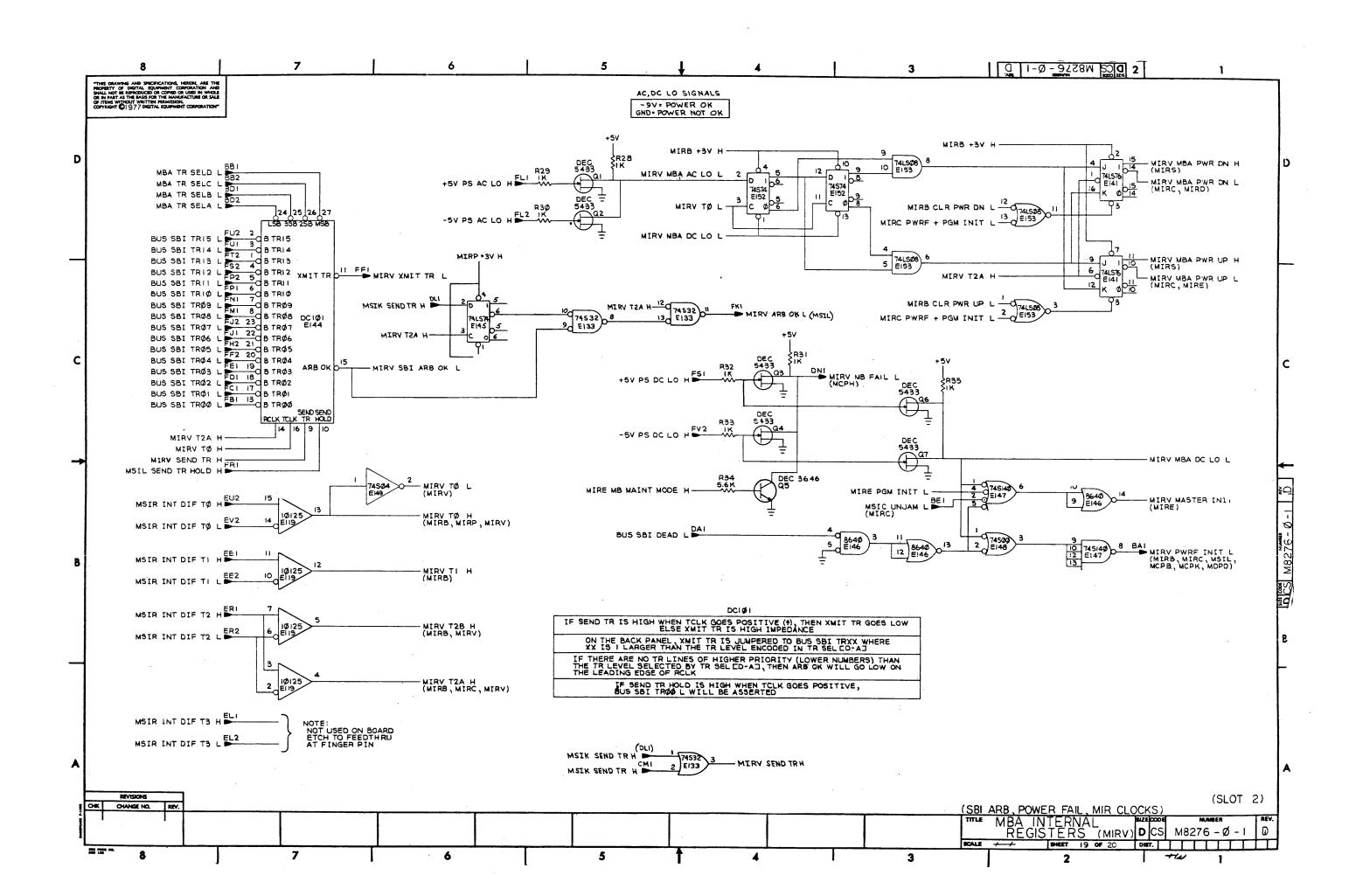


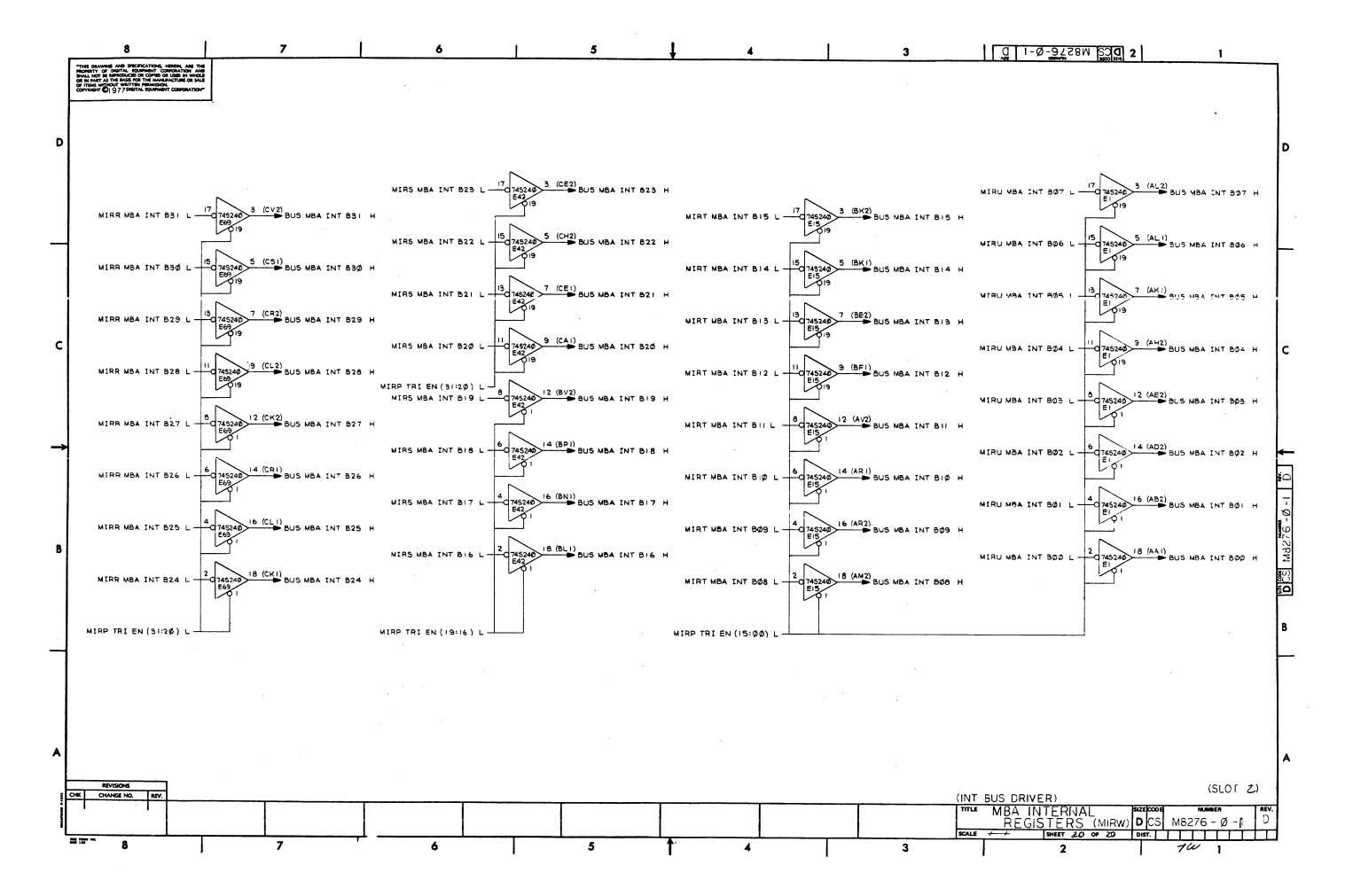


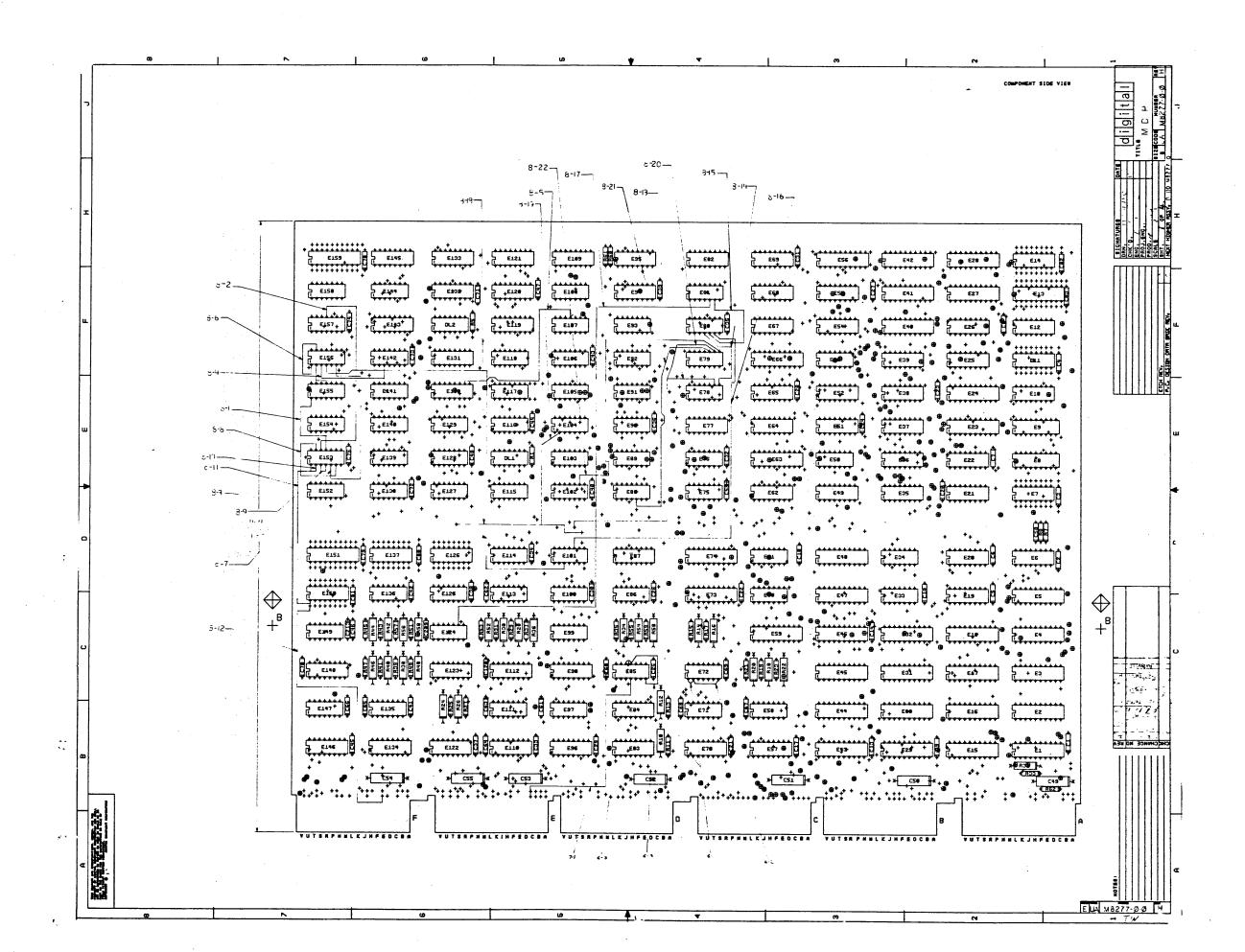


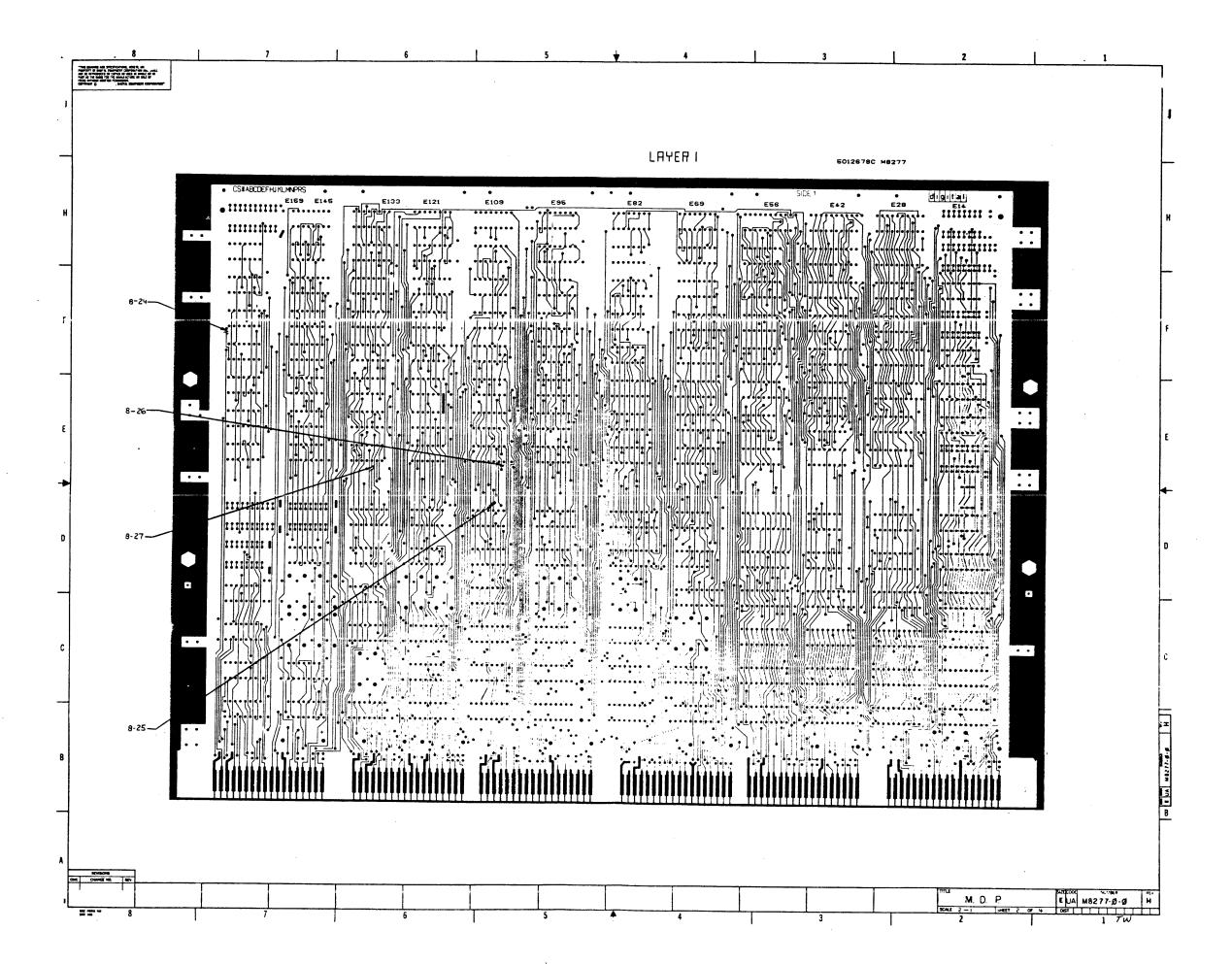


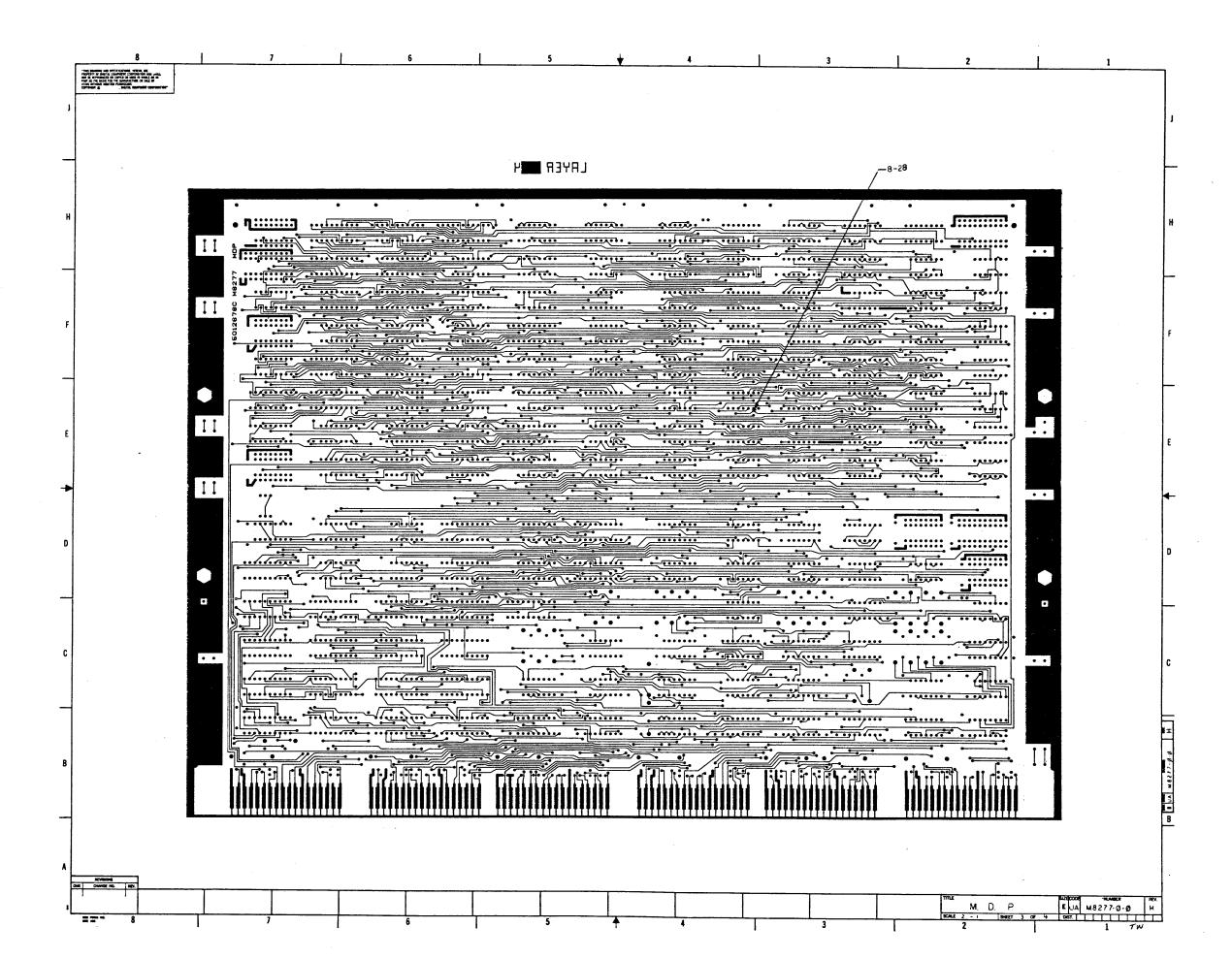










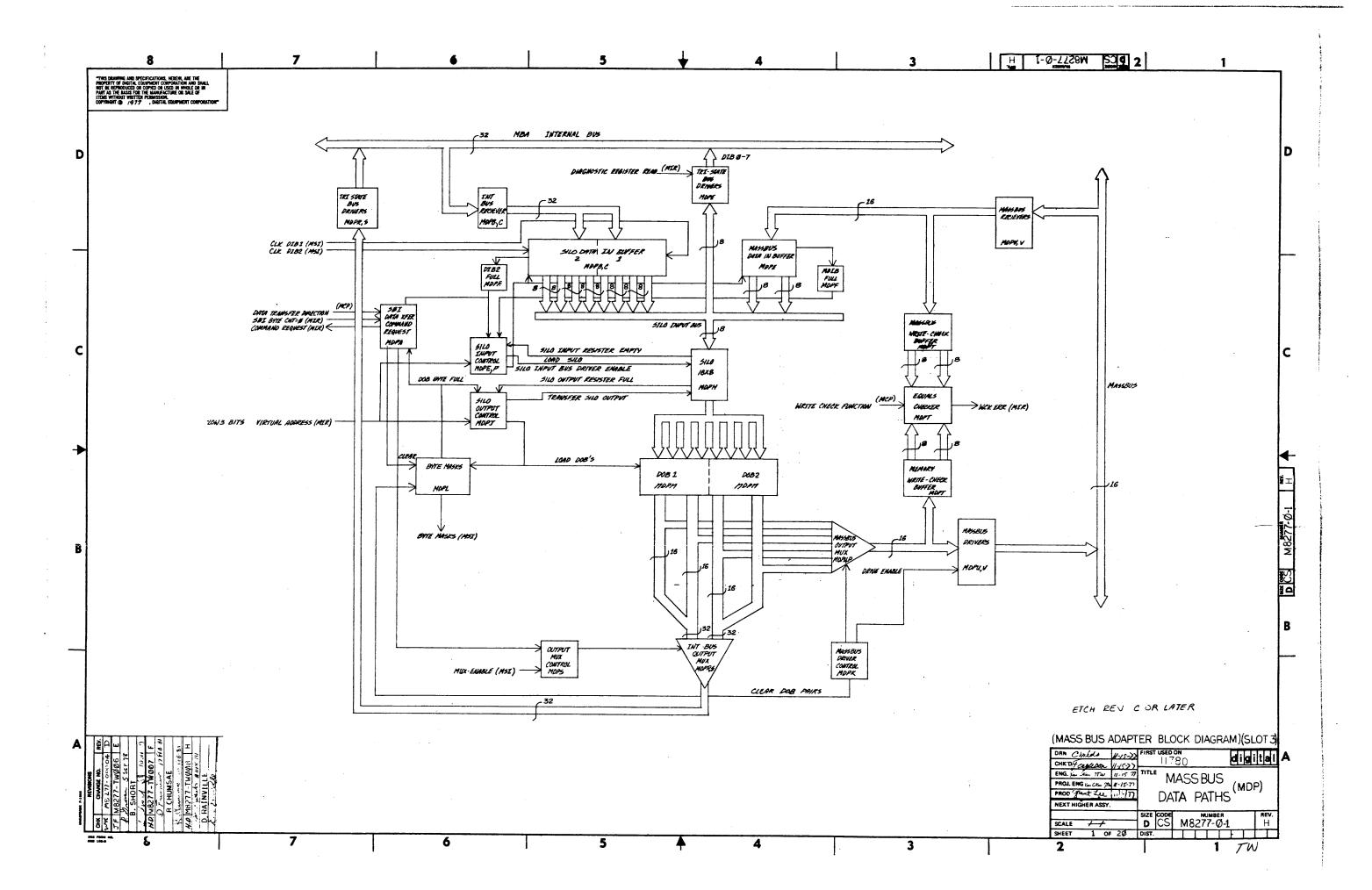


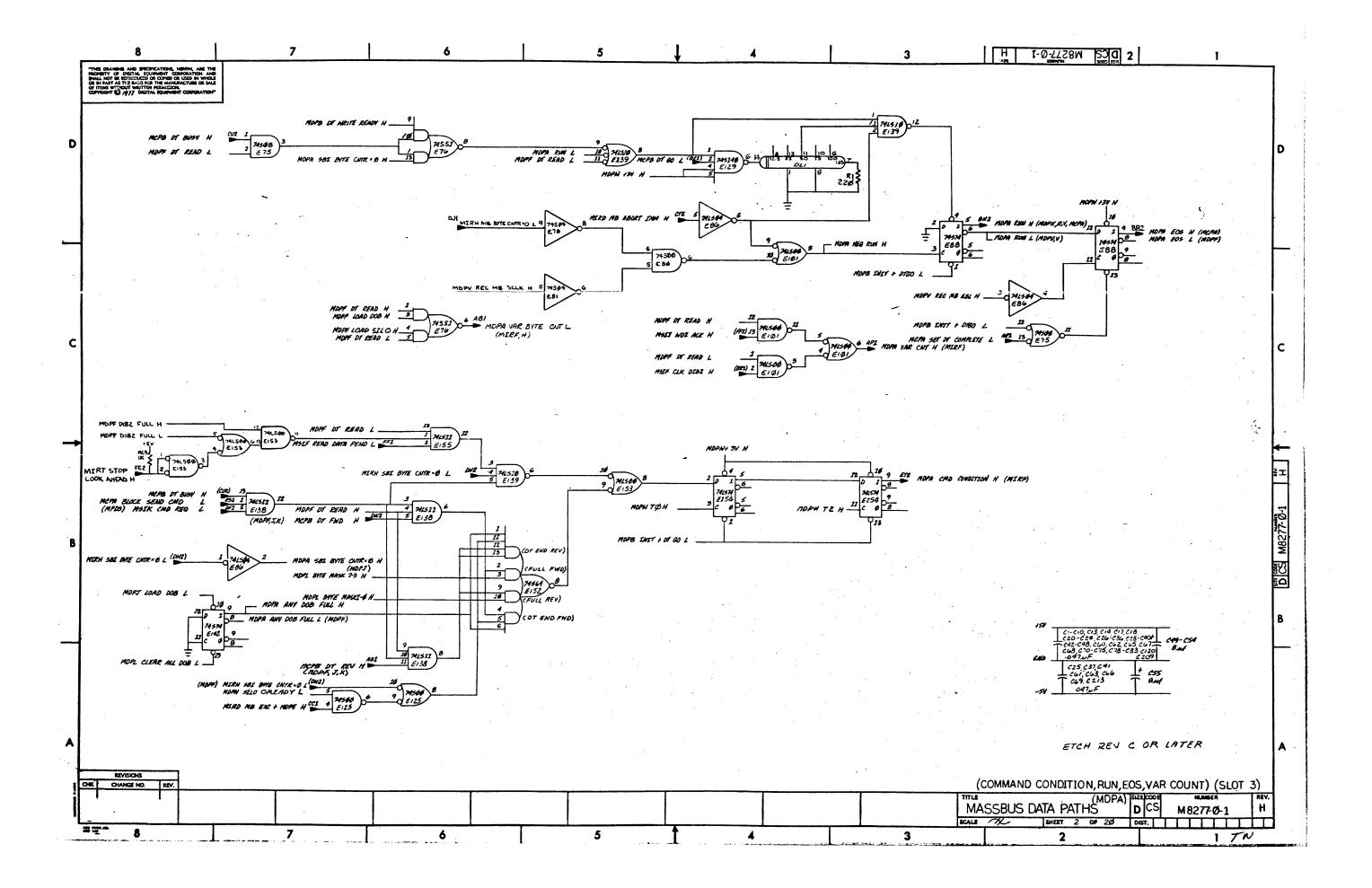
REWORK INSTRUCTIONS ECO"S WIRE ADDS SIDE 1: 6-1 FROM E72-1 TO E72-2 6-2 FROM E12-2 TOE 72-7 6-3 FROM EBS-11 TO EBS-12 6-4 FROM EBS-12 TO EBS-7 ECO" 7 WIRE ADDS SIDE 1: 7-1 FROM ESS-4 TO FEEDTHRU CONVECTED TO 11 JOULE PINECI. 5,4058 WIREADLS SIDE 1: 8-1 FROM E153 PITTO E155 PINT 8-1 FROM EISS FIND TO EIST PIND 18-15 FROM EISS FIND TO EIGEN PIND TO EIGENDIS FOR THE BEST PIND THE BEST PIND TO EIGENDIS FOR THE BEST PIND THE BEST PIND TO EIGENDIS FOR THE BEST PIND T 9-9 (FINA E13) HING TO E153 PHIS
9-1 FROM E153 PHIS TO E153 PHIS
4-10 FROM E153 PHIS TO E153 PHIS
2- FROM E150 PHIS TO E153 PHIS
4-12 FROM E150 PHIS TO EMAKER FEZ
8-13 FROM PTH ABOVE E10 PHIS TO E18PHIS
8-14 FROM E19 PHIS TO E89 PHIS
A-15 FROM E19 PHIS TO E89 PHIS
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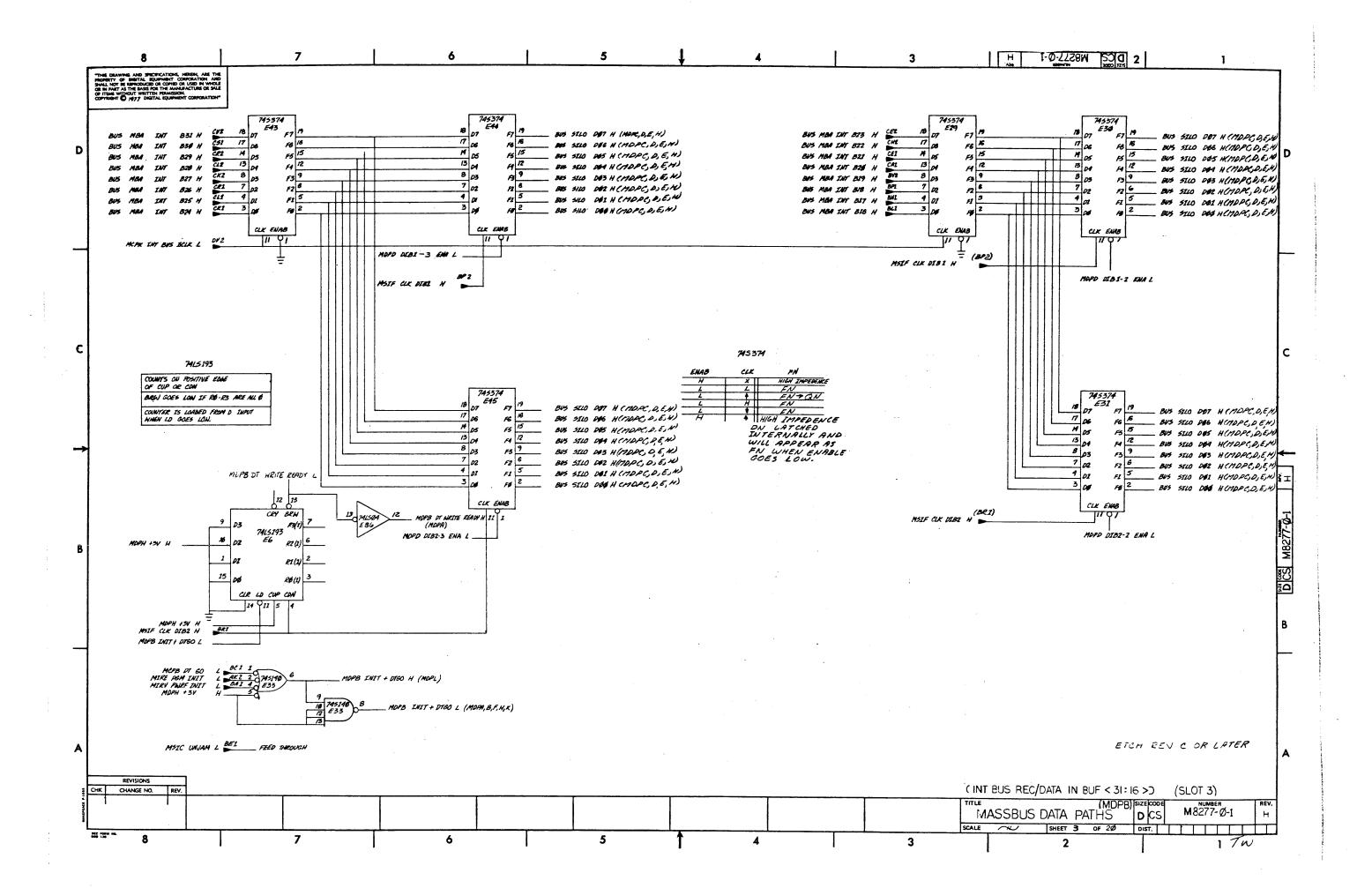
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|----------|----------|----------|----------|-------------------------|-------------|-------------|------------|-------|-------------|----------------|---------------|-------|
| LINE | ITEM | DOCUMENT | NUMBER | FART NUMBER | DESCRIPTION | N | | 00 | CK AHKTHIT | REFERENCE DESI | GNATOR | |
| 29 | 29 | | | 1910545-00 | 745112 | | | 1 | | E143 | | |
| 30 | 30 | | | 1911712-00 | 74851 | | | 1 | | E76 | | |
| 31 | 31 | | | 1911675-00 | 74S138 | DECODER/DEM | | 1 | | E19 | | |
| 32 | 32 | | | 1912843-00 | LS139 | DECODER, 2 | | 1 | | E145 | | • |
| 33 | 33 | | | 1910546-00 | 745140 | NAND GATE- | | 3 | | E33,E116,E129 | | |
| 34 | 34 | | | 1912844-00 | LS151 | | | 1 | ű. | E130 | | |
| 35 | 35 | | | 1910547-00 | 748153 | MUX 1 OF | 4 (DUAL) | 9 | * · · | E25,E36,E37,E3 | 8,E39,E52,E54 | ,E55, |
| 36 | ···y , | •. | | 4.00.00.00.00 | | | | | CONT | E133 | | |
| აი | 36 | | | 1910549-00 | 745158 | MUX 1 OF | 2 (QUAD) | 10 | | E10,E12,E21,E2 | 2,E26,E35,E49 | ,E51, |
| | ~~ | | | | | | | 1. | CONT | E68,E126 | | |
| 37 38 | 37 38 | 4.4 | | 1910957-00 | 748175 | FF-D QUAD | соммом сго | 1 | | E20 | • | |
| 38 39 | 39 | • | | 1912853-00 | LS175 | | | 1 | • | E109 | | |
| | | | | 1912854-00 | LS193 | COUNTER, SY | | 6 | | E67,E69,E82,E6 | ,E94,E95 | * |
| 40 41 | 40 41 | | | 1913462-00 | 745240 | OCIAL BUFF | | - 4 | | E4,E18,E32,E46 | | |
| | | | | 1913493-00 | 745241 | OCTAL BUFF | ER,TRI-STA | - 2 | | E5,E59 | | |
| 42 | 42 | | | 1912860-00 | LS259 | LATCH 8BIT | | 1 | | E119 | | |
| 43 | 43 | 2 | | 1911573-00 | 745280 | PARITY GEN | | 4 | | E50,E53,E60,E6 | | |
| 44 | 44 | | • | 1913670-00 | 749373 | LATCH BBI | T TRASP TR | 10 | | E23,E24,E27,E2 | 8,E40,E41,E42 | ,E56, |
| A #= | A 1- | | d. | | | | | | CONT | | | |
| 45 | 45 | | | 1913671-00 | 745374 | FF-D OCTAL | TRISTATE | 16 | | E1-E3,E15-E17, | E29-E31,E43-E | 45, |
| | | | | | | | | | CONT | | | |
| 46 | 46 | | | 1910268-00 | DEC 75107E | RECEIVER, | INE, DUAL, | 11 | | E58,E71,E72,E8 | | 5, |
| 47 | 47 | • | • | | | | | | CONT | E111,E124,E147 | | |
| 47 | 4/ | | | 1911341-00 | 75113 | DRIVER, LIN | NE,DUAL,MA | 12 | | E57,E70,E83,E8 | | 0, |
| 40 | 4.0 | | | | | | | | CONT | E112,E123,E134 | ,E146,E148 | |
| 48 | 48 | | | 1911415-00 | 10125 | ECL TO TTL | | 1 | | E122 | | |
| 49 | 49 | | | 1912586-00 | | REGISTER,64 | | 2 | | E8,E9 | | |
| 50 51 | 50 51 | | | 1300365-00 | 1.0 K | .25 W 5.0 % | CC | · 2 | | R62•R63 | | |
| 21 | 21 | | | 1301477-00 | 82.0 | .25 W 5.0 % | CC | 25 | | R11,R13,R15,R1 | | |
| | | | | • | | | | | CONT | R27,R29,R31,R3 | | |
| | | | | | | | | | CONT | R43,R45,R47,R4 | 9,R51,R53,R55 | ,R57, |
| 52 | E 2 | | 4 | 477047704 00 | | | | | CONT | R59 | | |
| كات | 52 | | | 1301781-00 | 82.0 | .50 W 5.0 % | CC | 25 | | R12,R14,R16,R1 | | |
| | | | • | | | | | | CONT | R26,R28,R30,R3 | | |
| • | • | | | • | • | | | | CONT | R42,R44,R46,R4 | B,R50,R52,R54 | ,R56, |
| E 7 | Ey | | | M. 4 A promise a susual | | | | | CONT | R58 | | |
| 53 | 53 | | | 9105740-55 | WIRE(WRAP)3 | SOAWG | UL1423 | A/R | | | | |

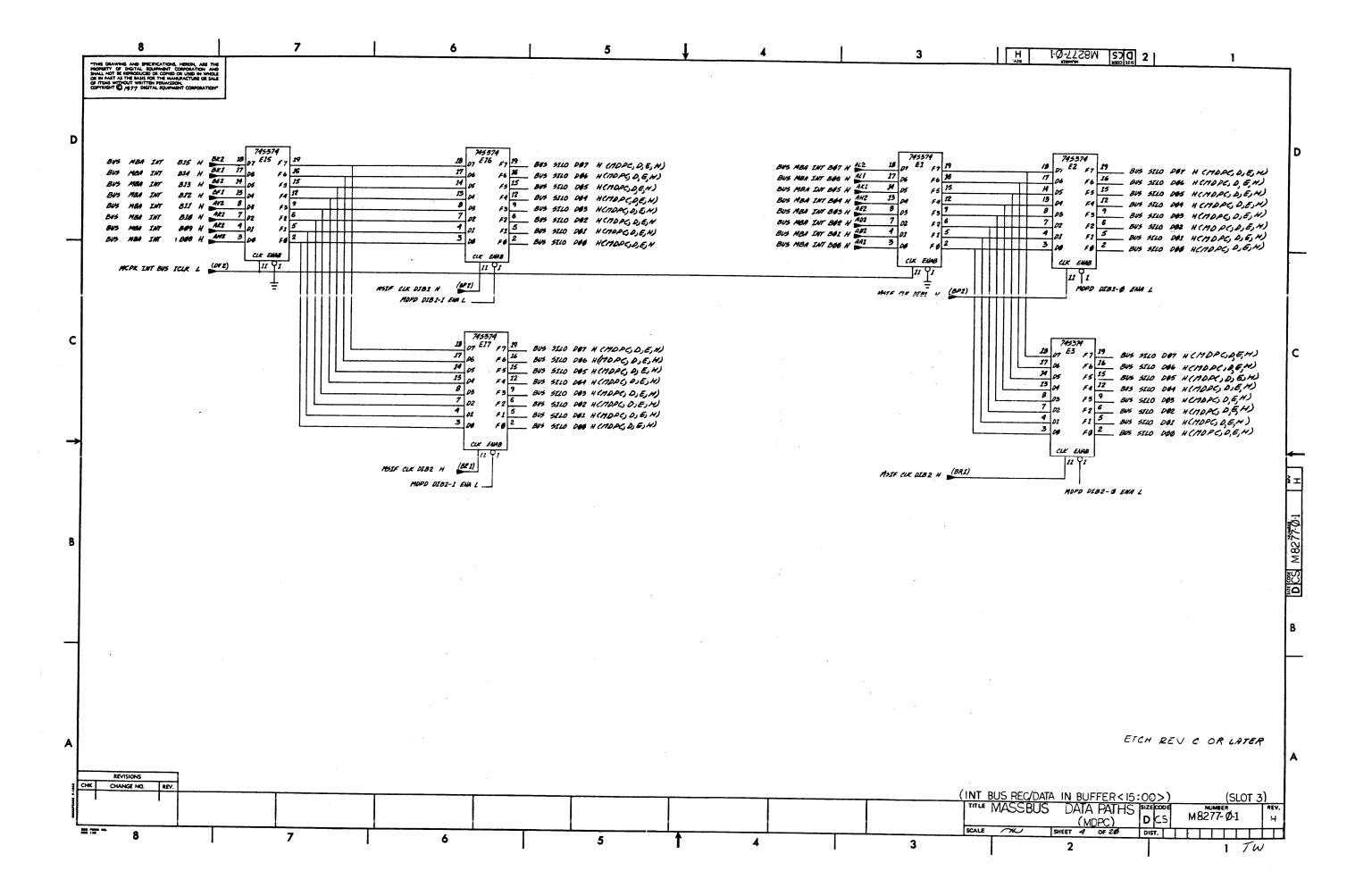
54 NOTE: I.C. SPARE LOCATIONS ARE; E7,E13,E14,E137,E150,E151,E159,E87,E11.

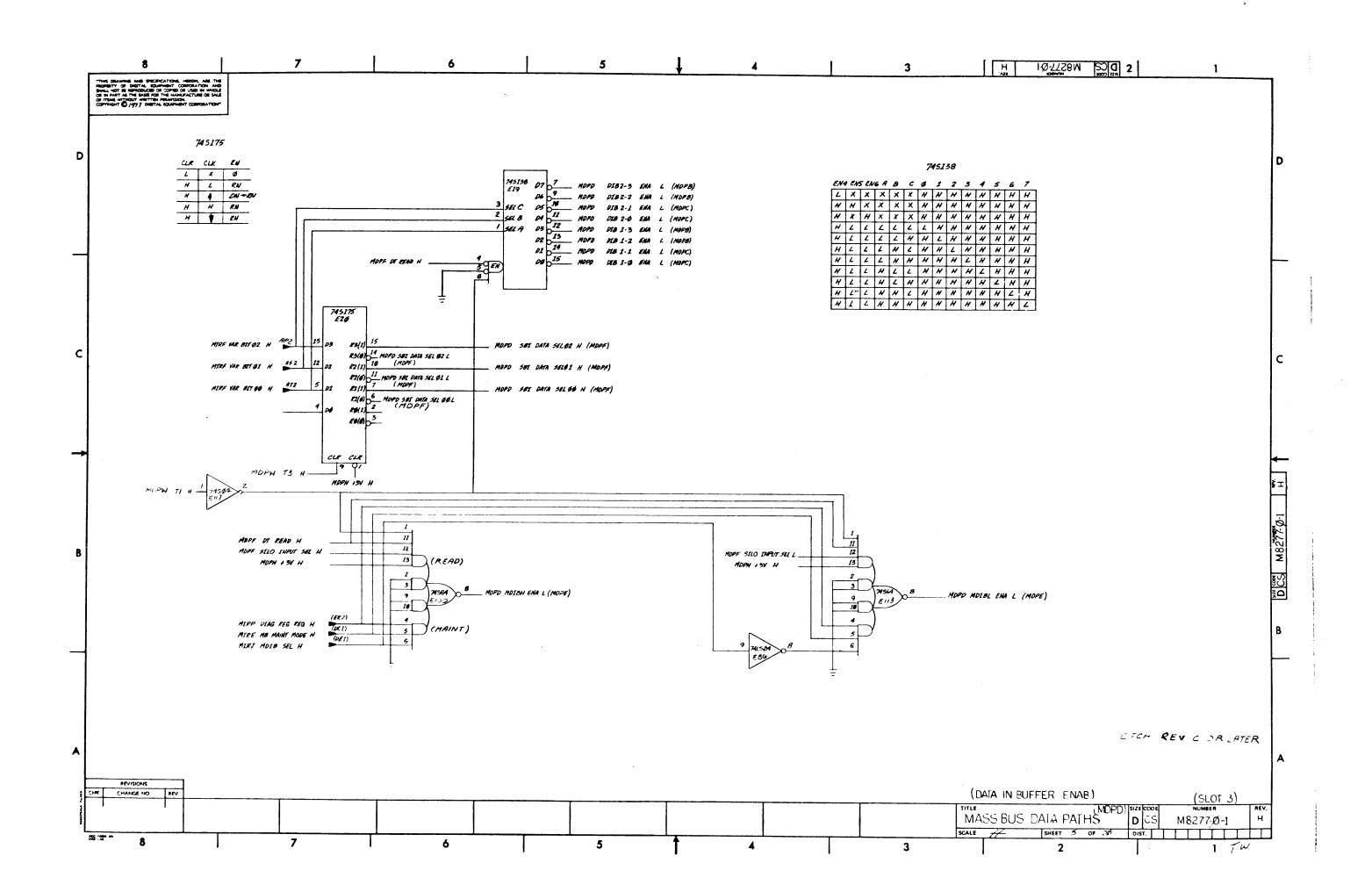
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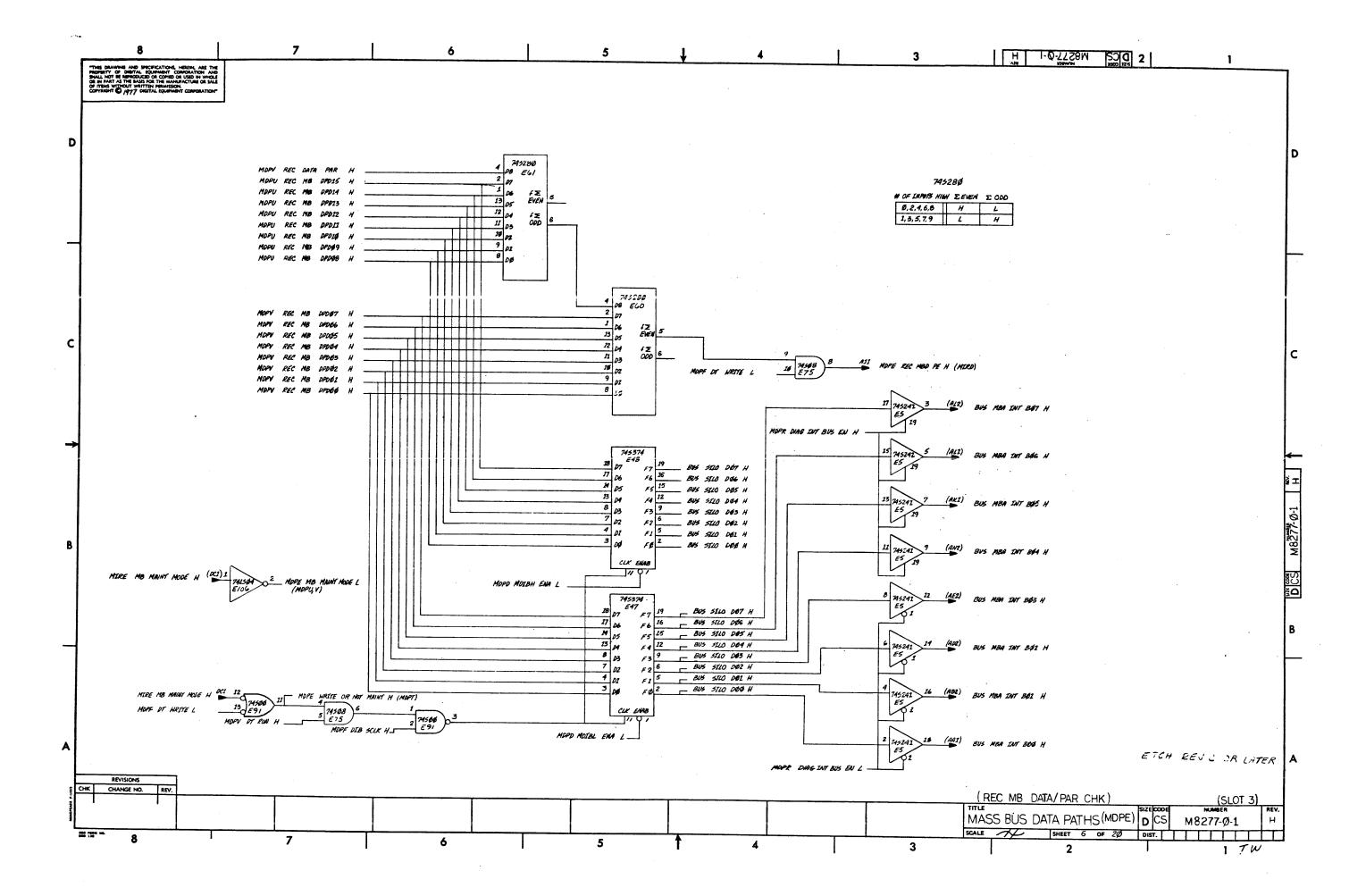


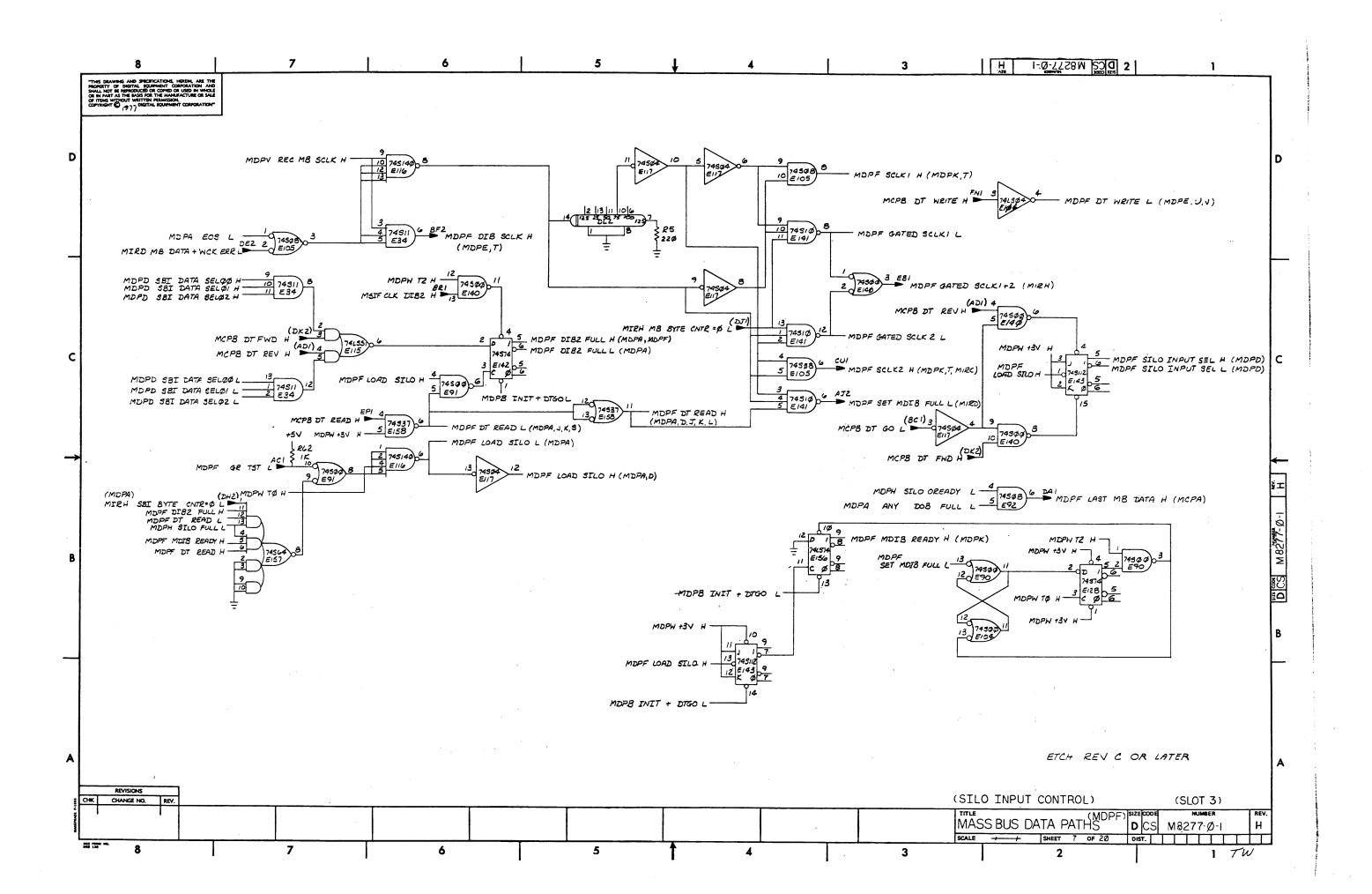


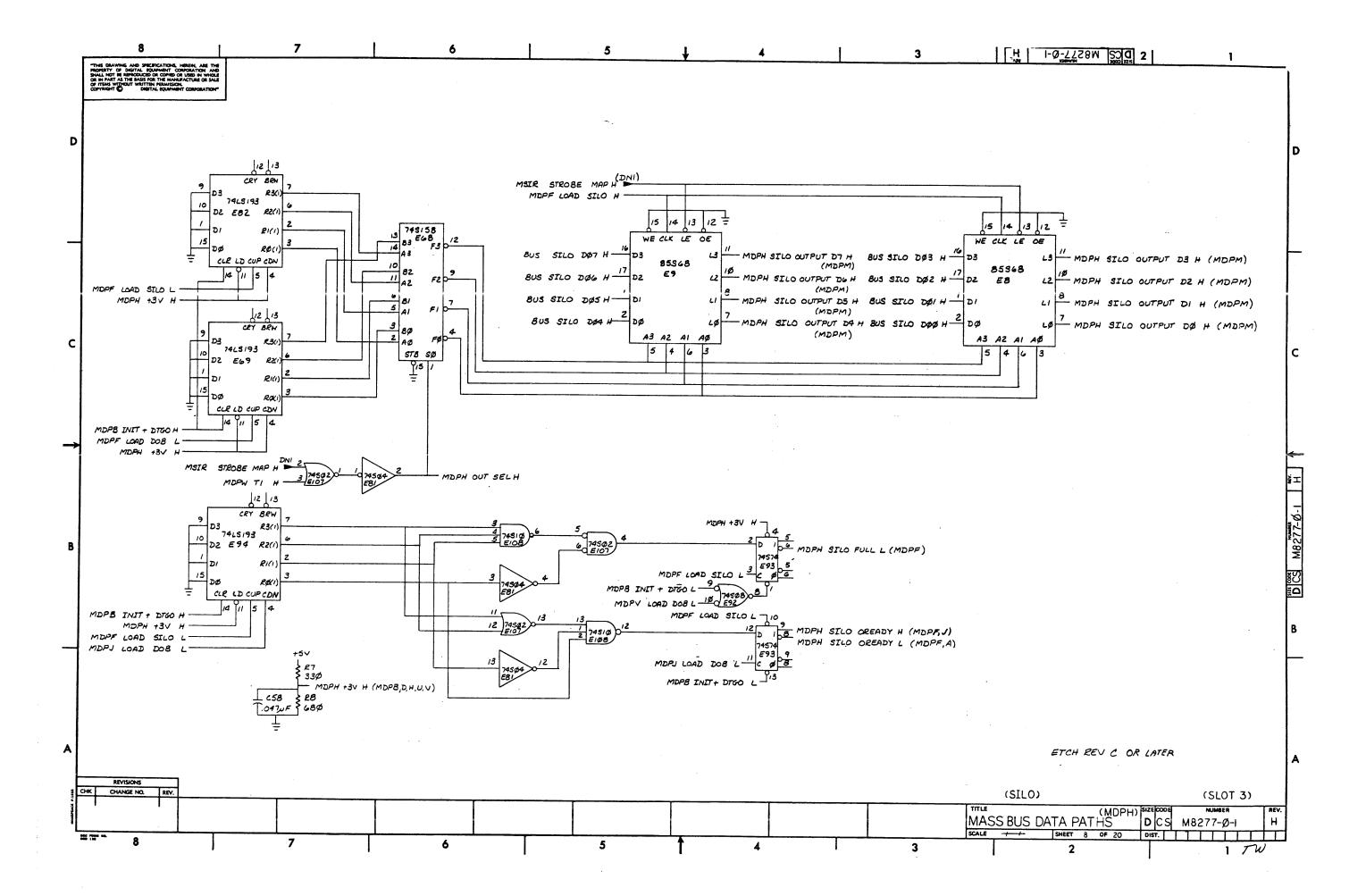


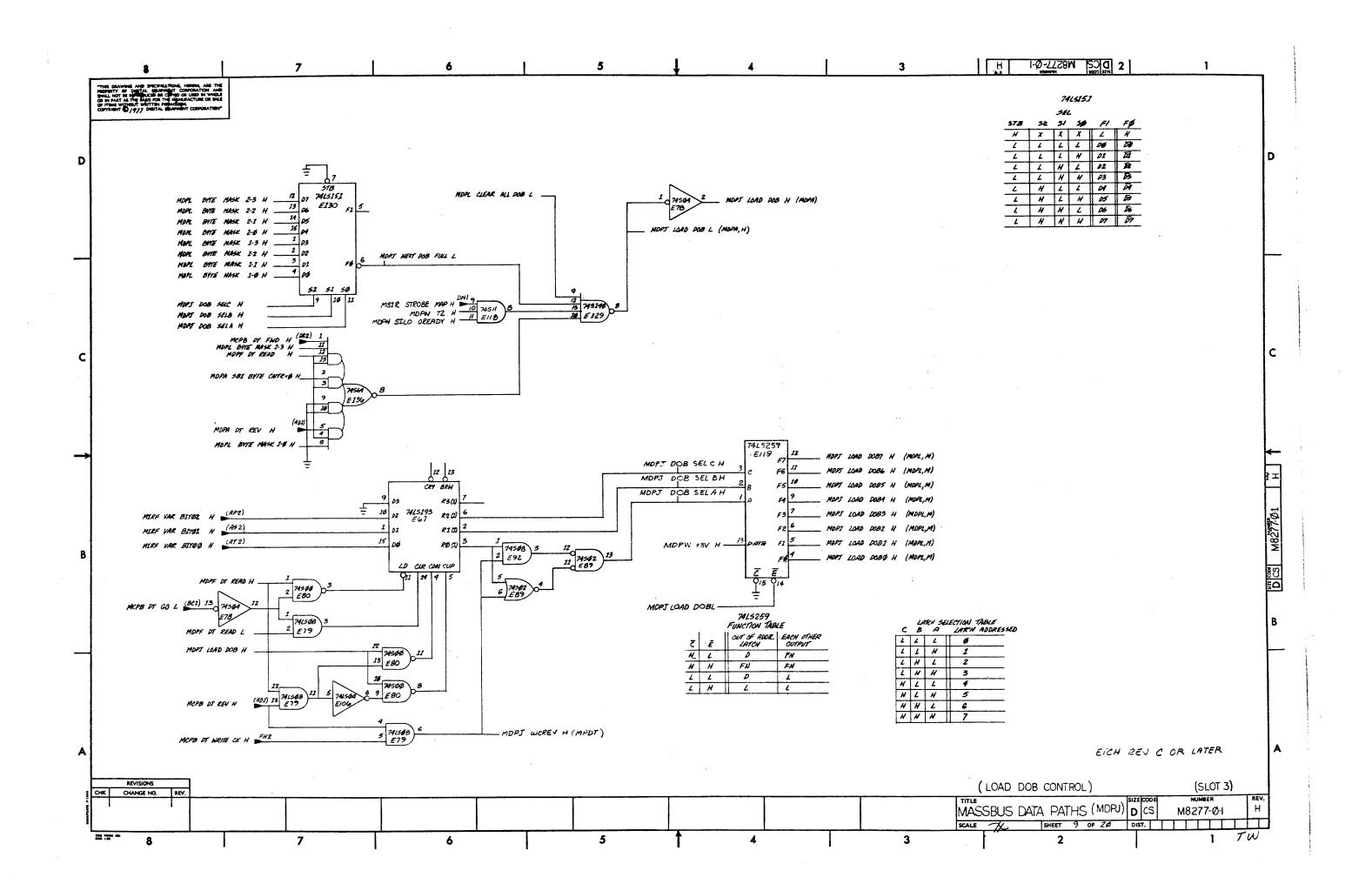


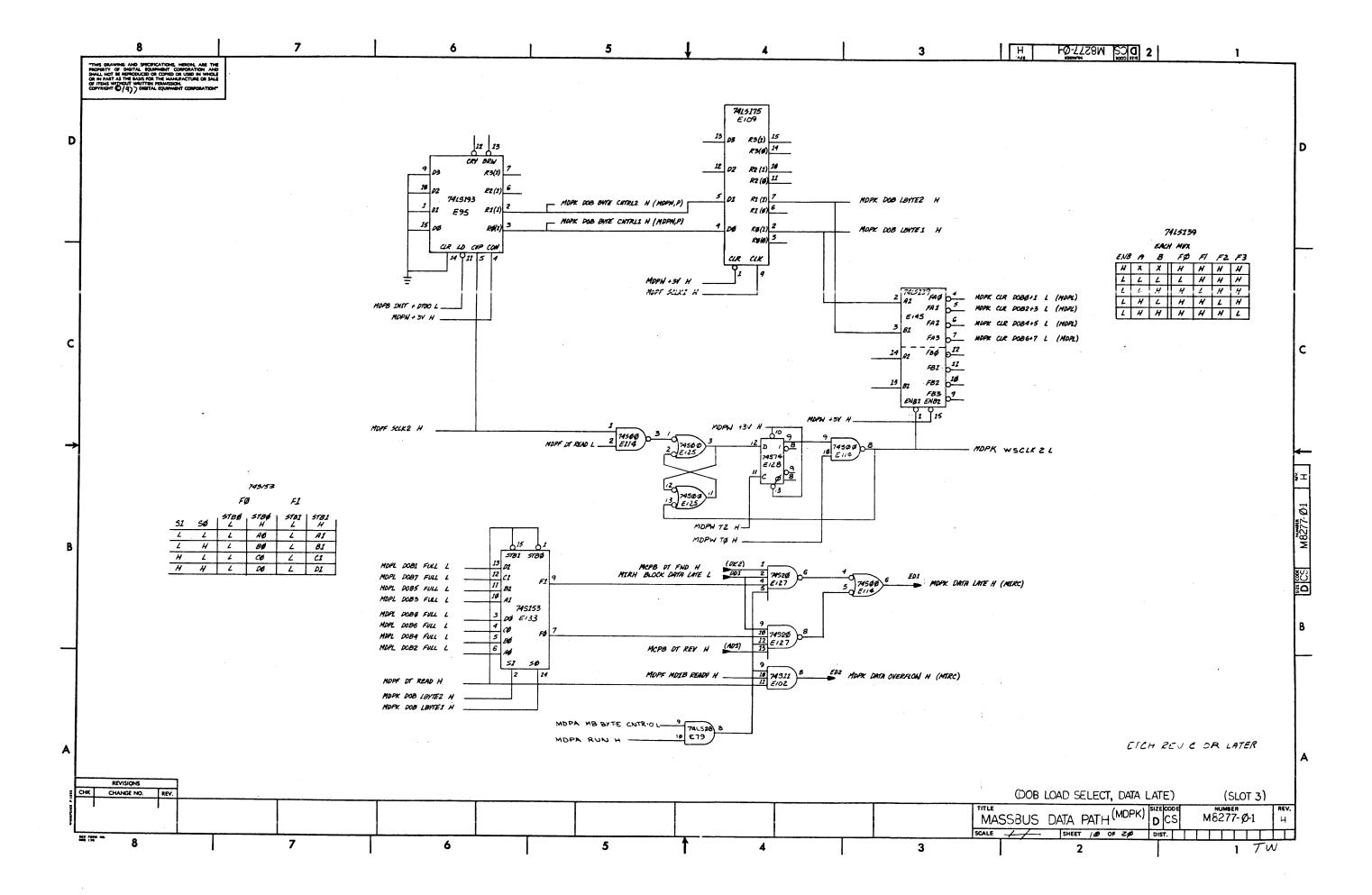


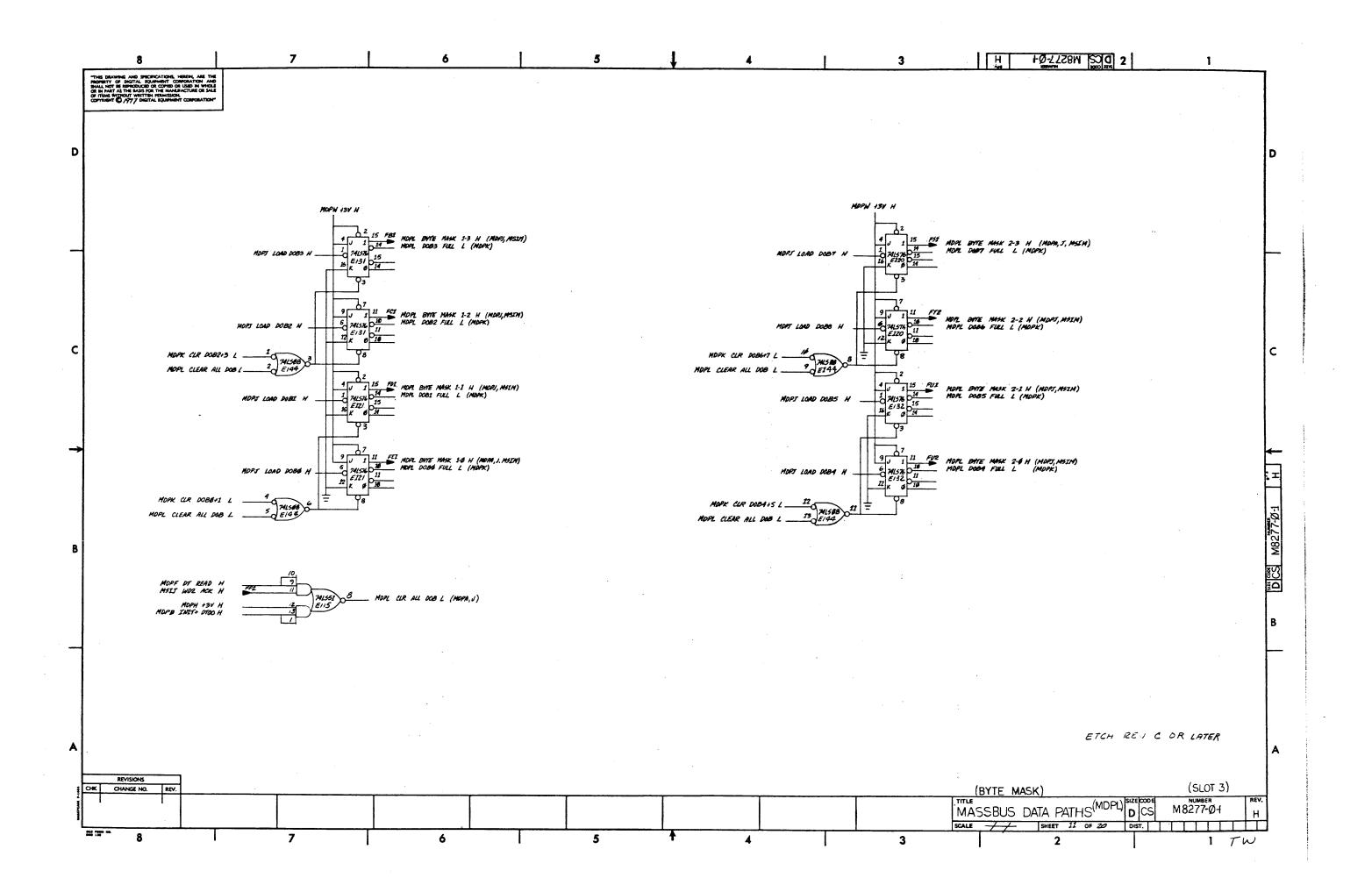


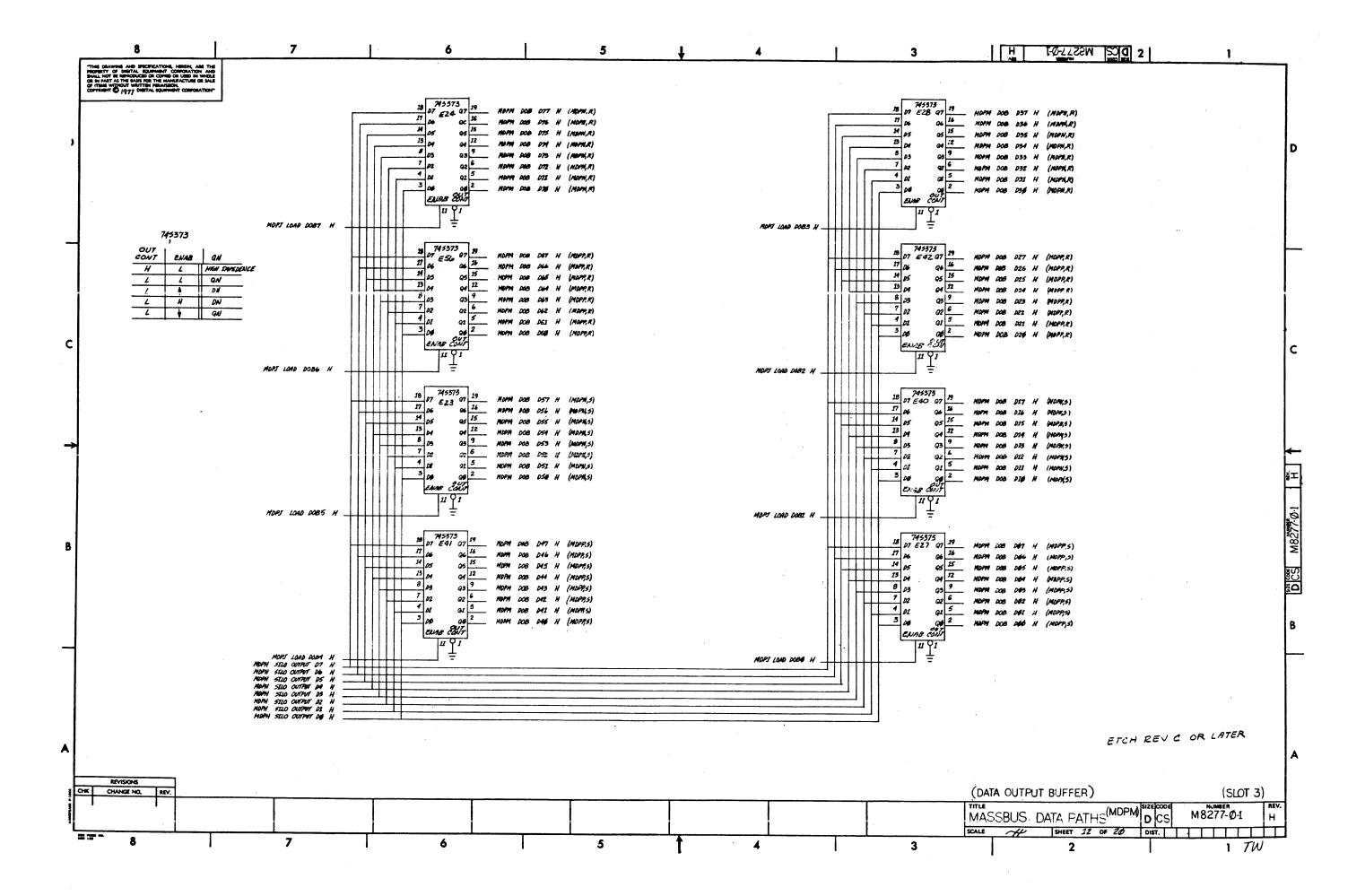


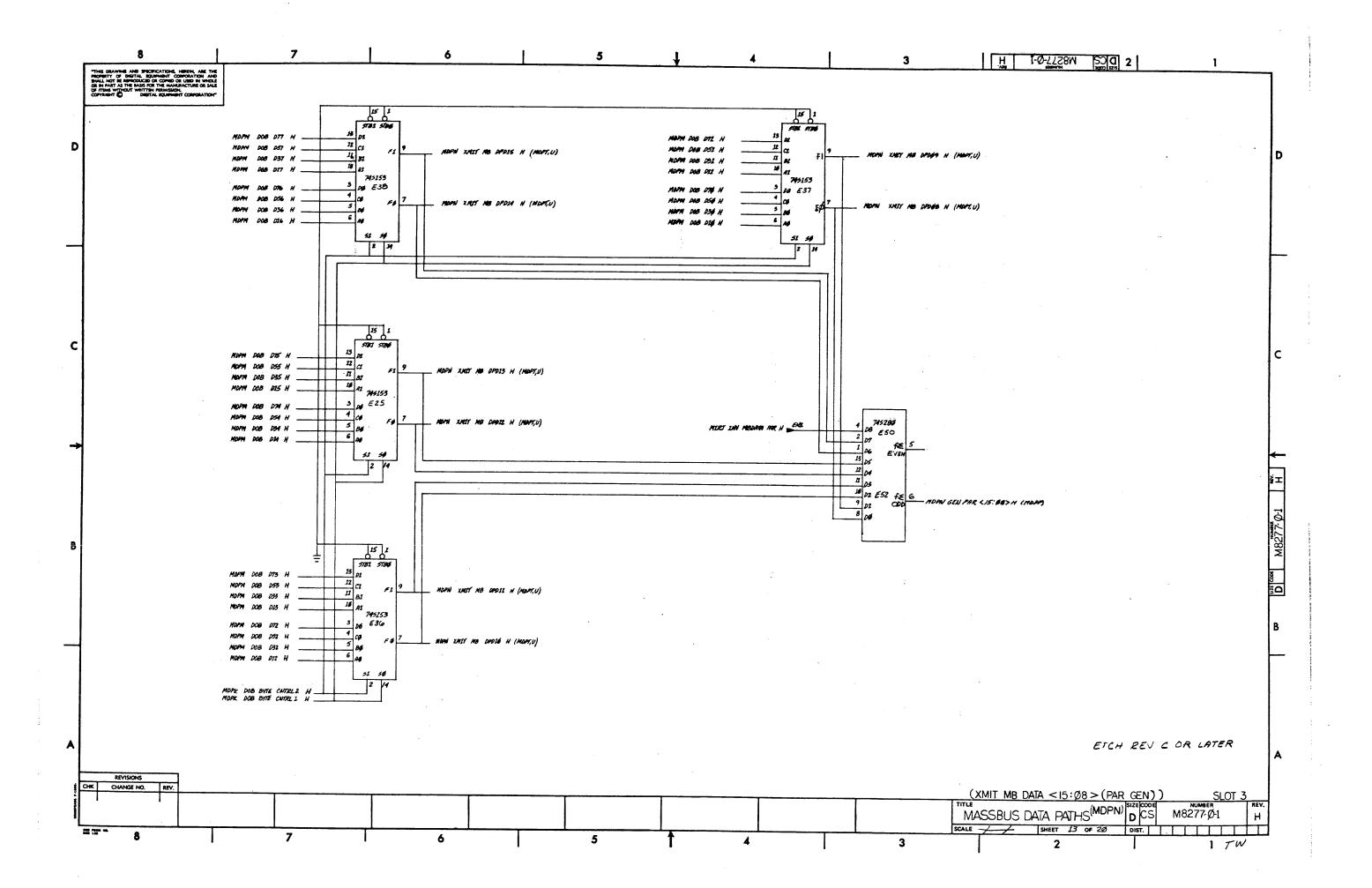


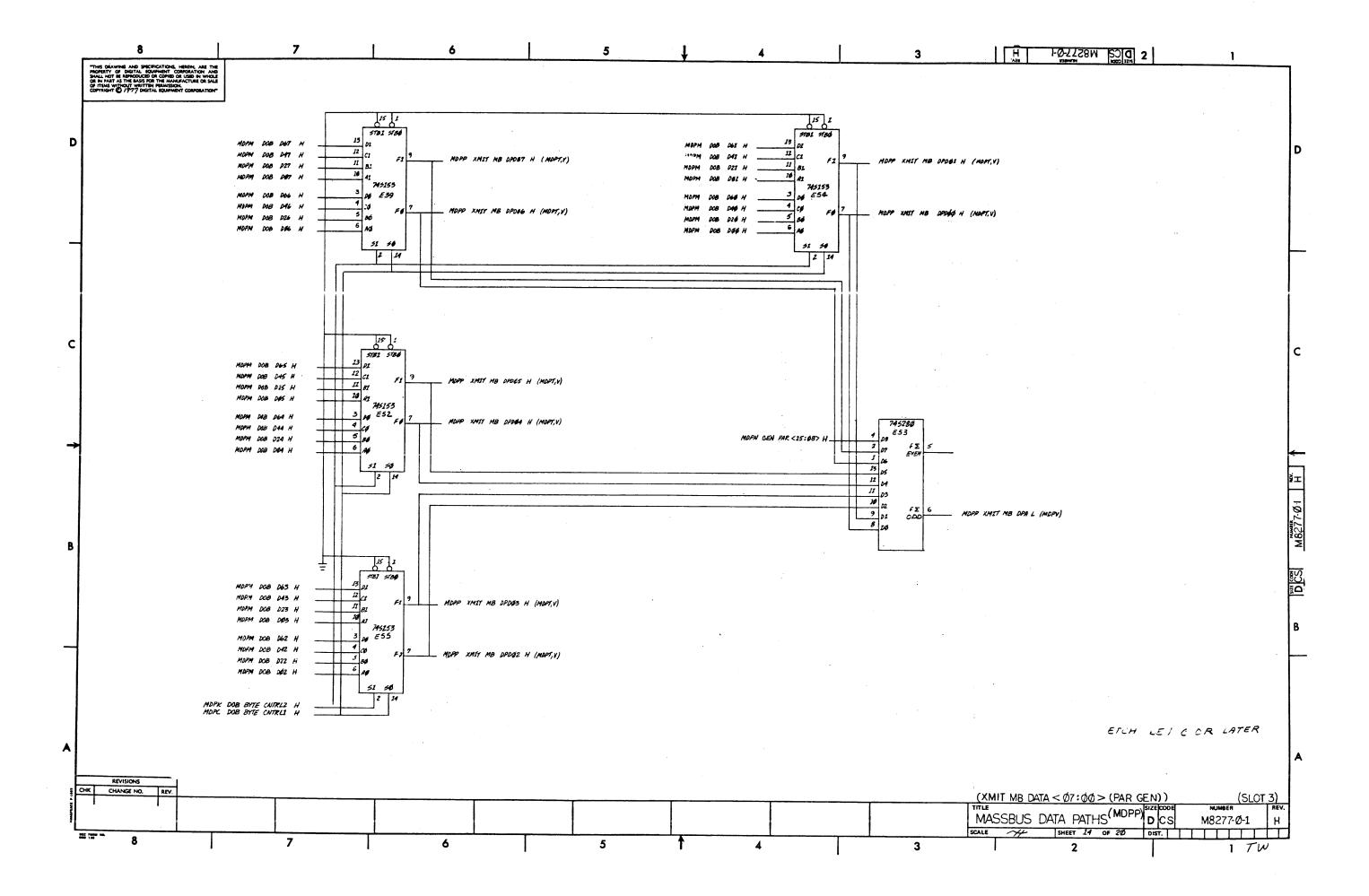


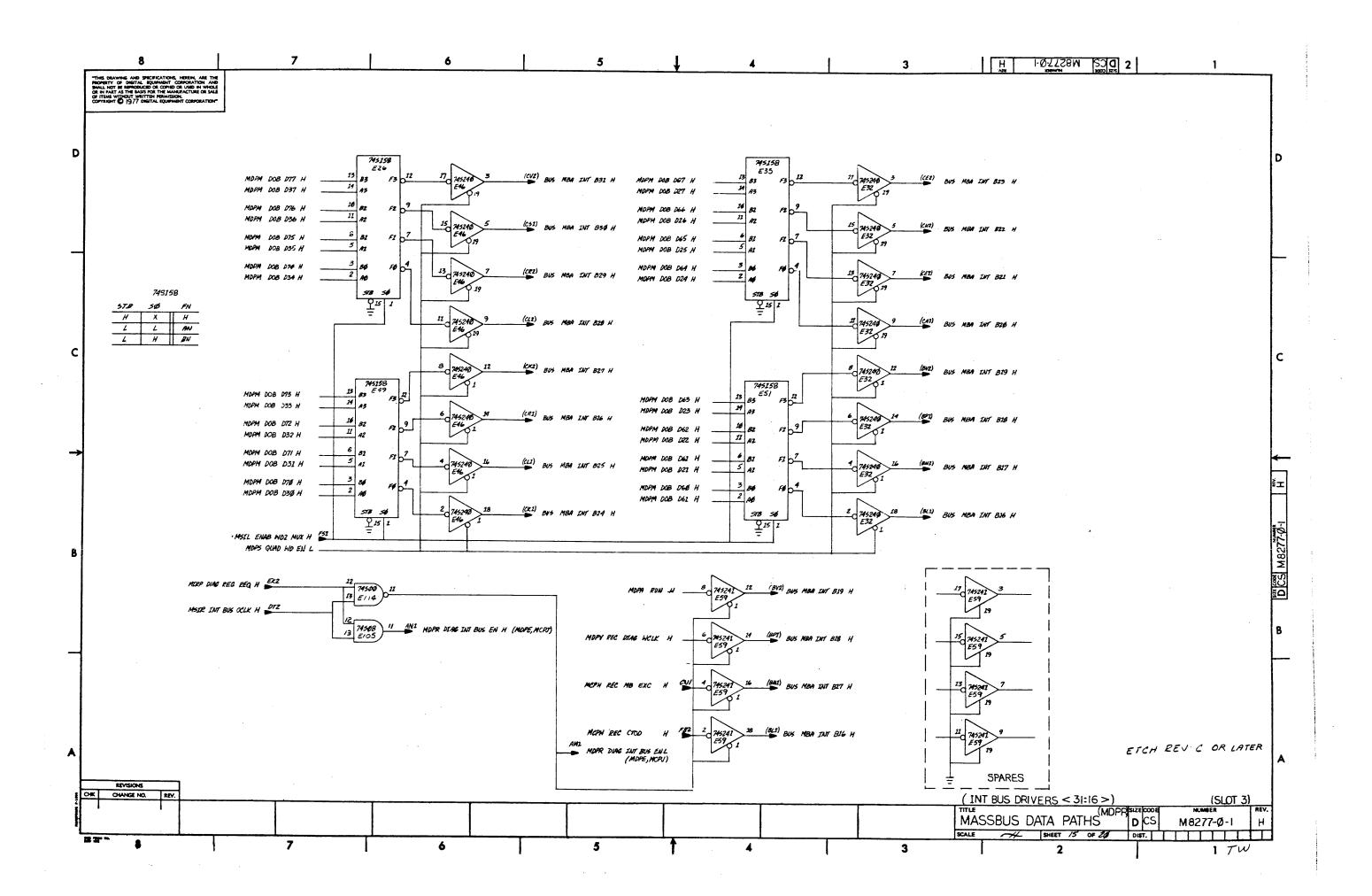


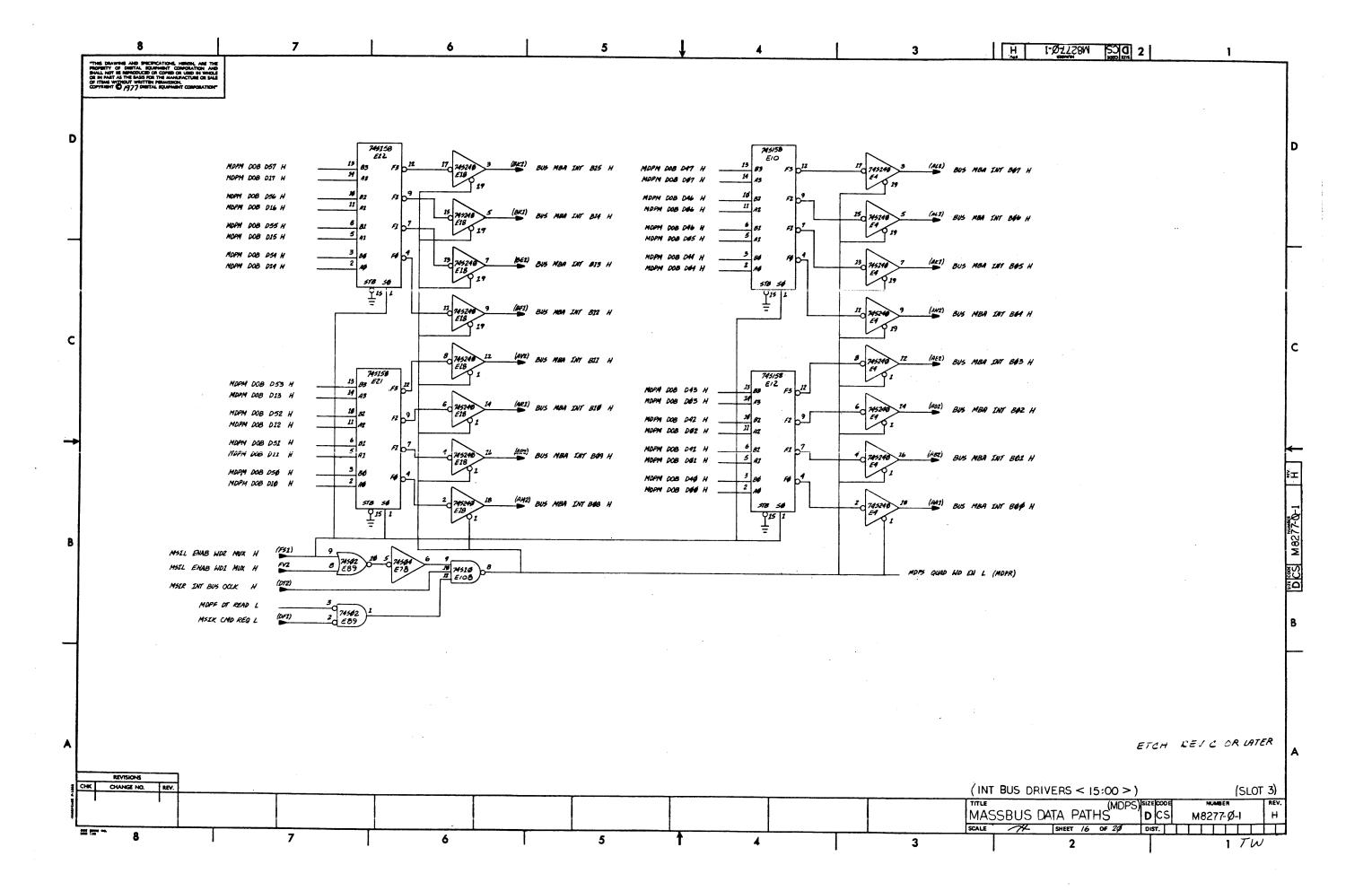


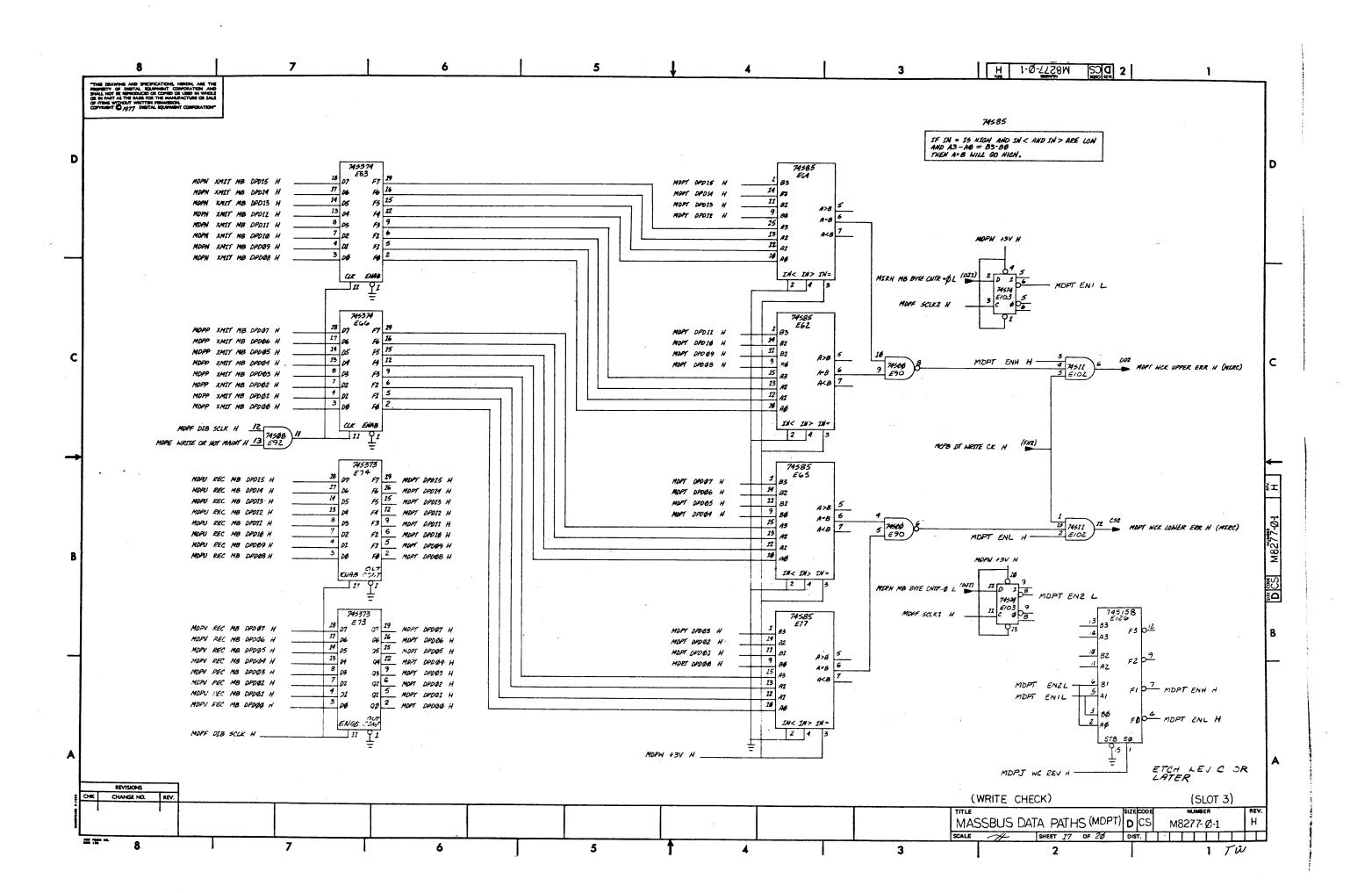


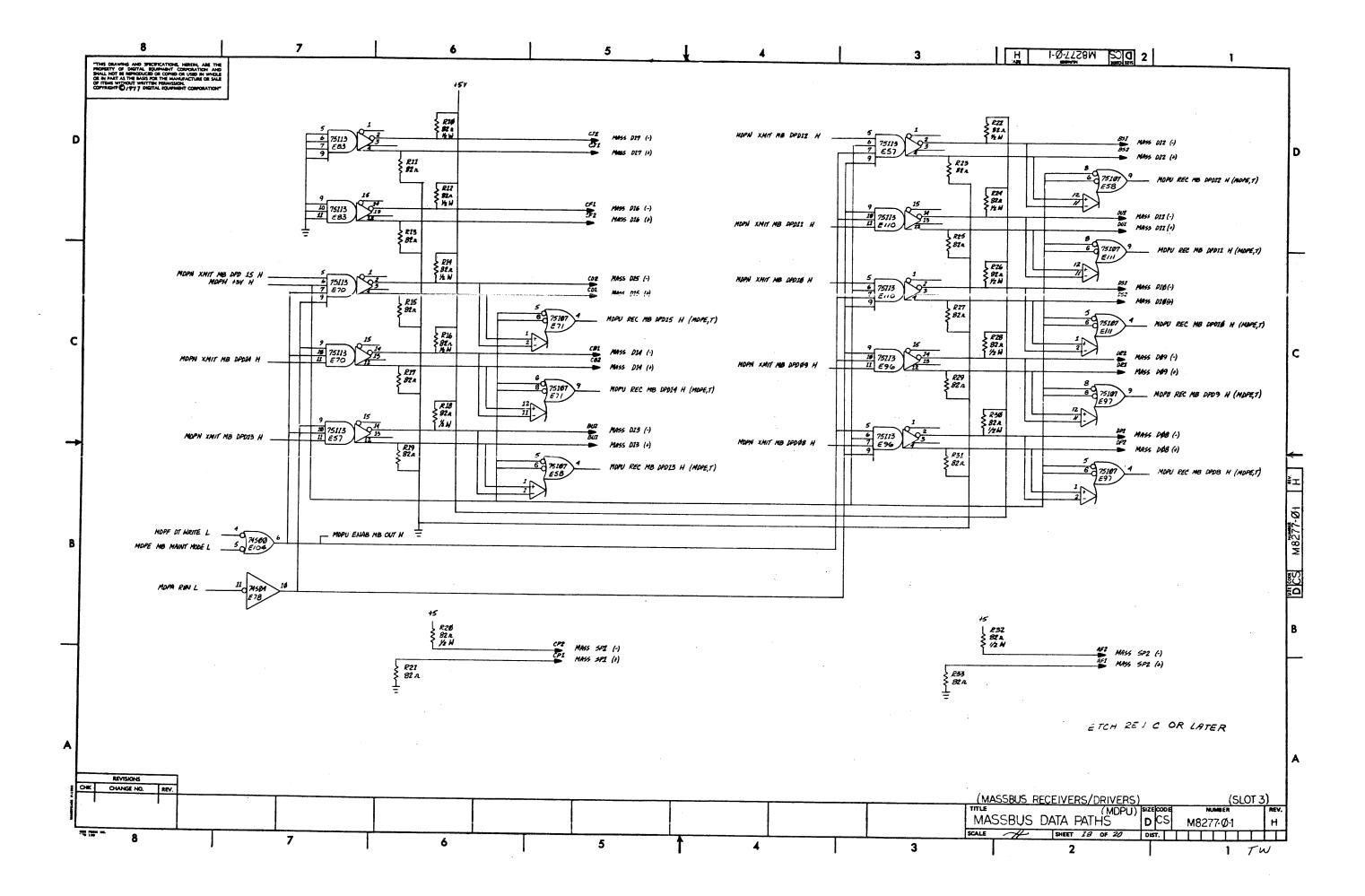


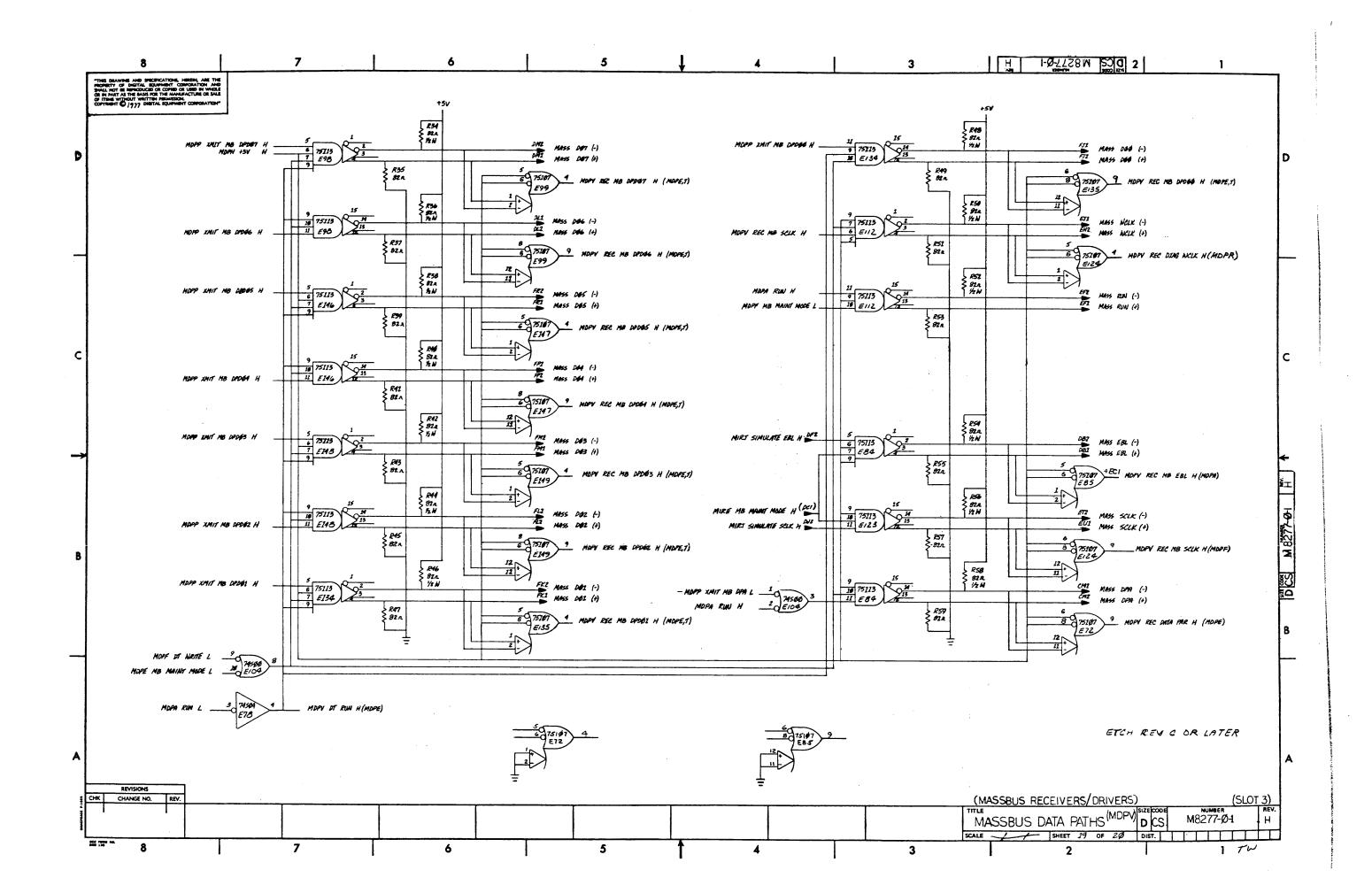


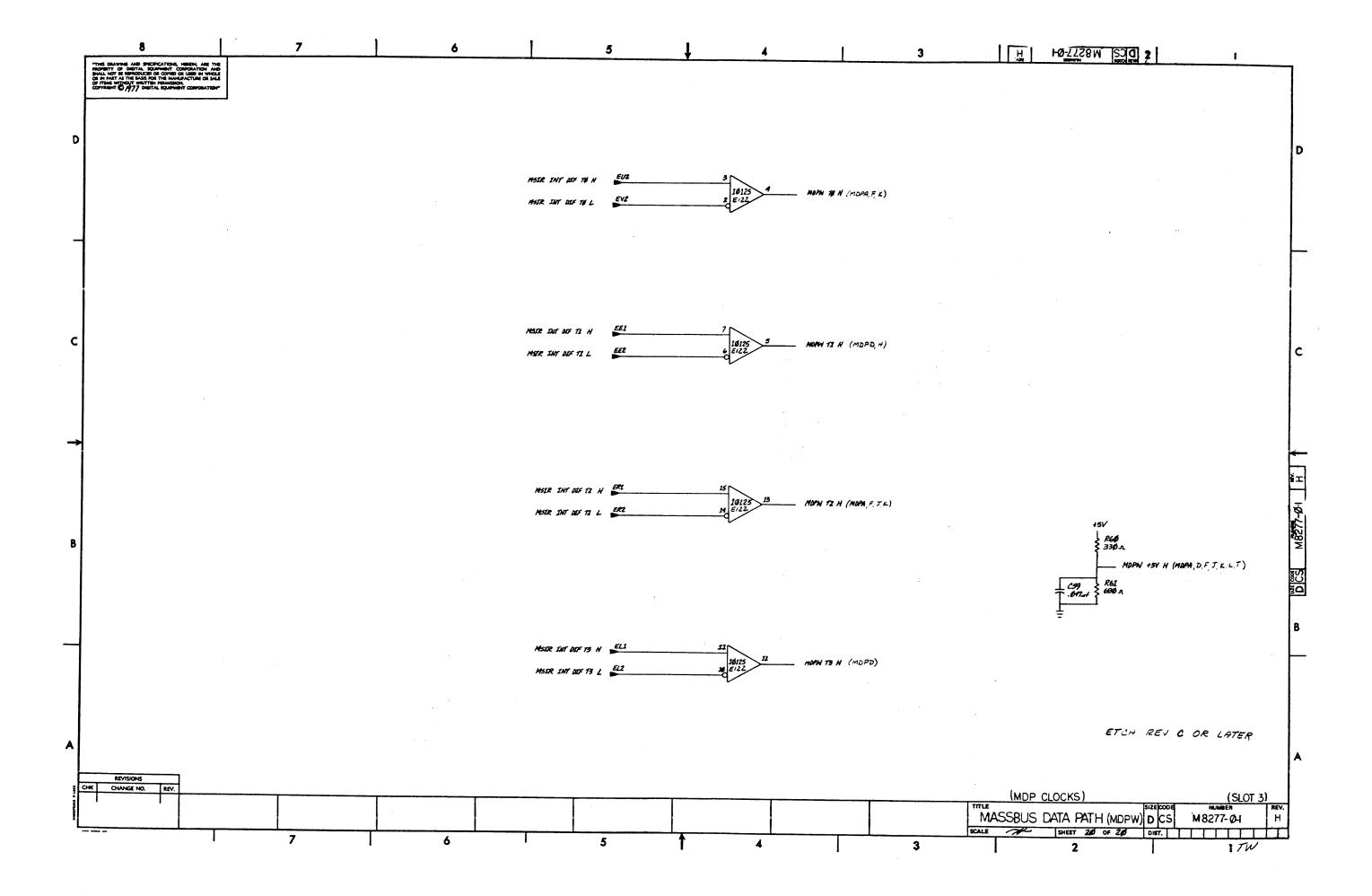


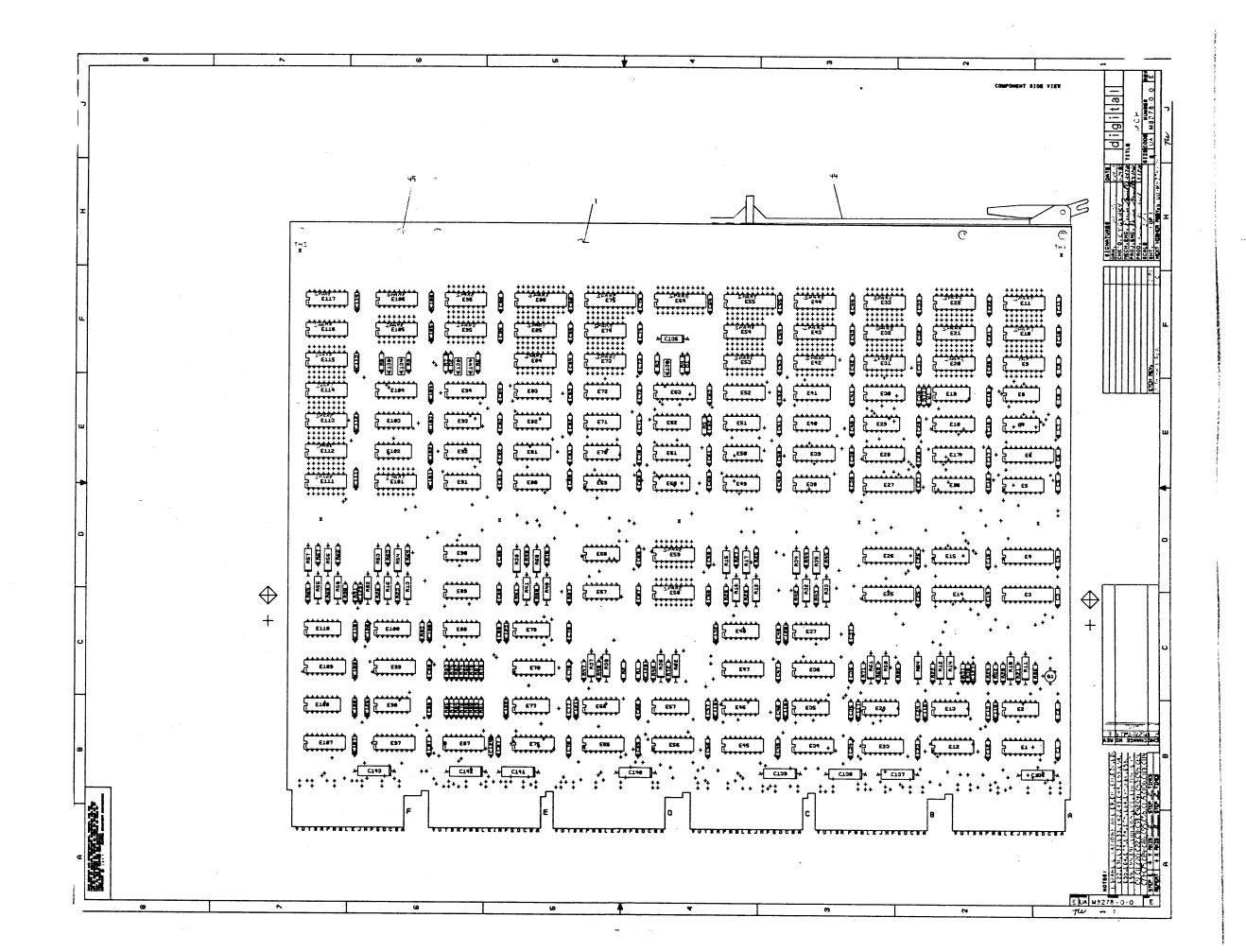








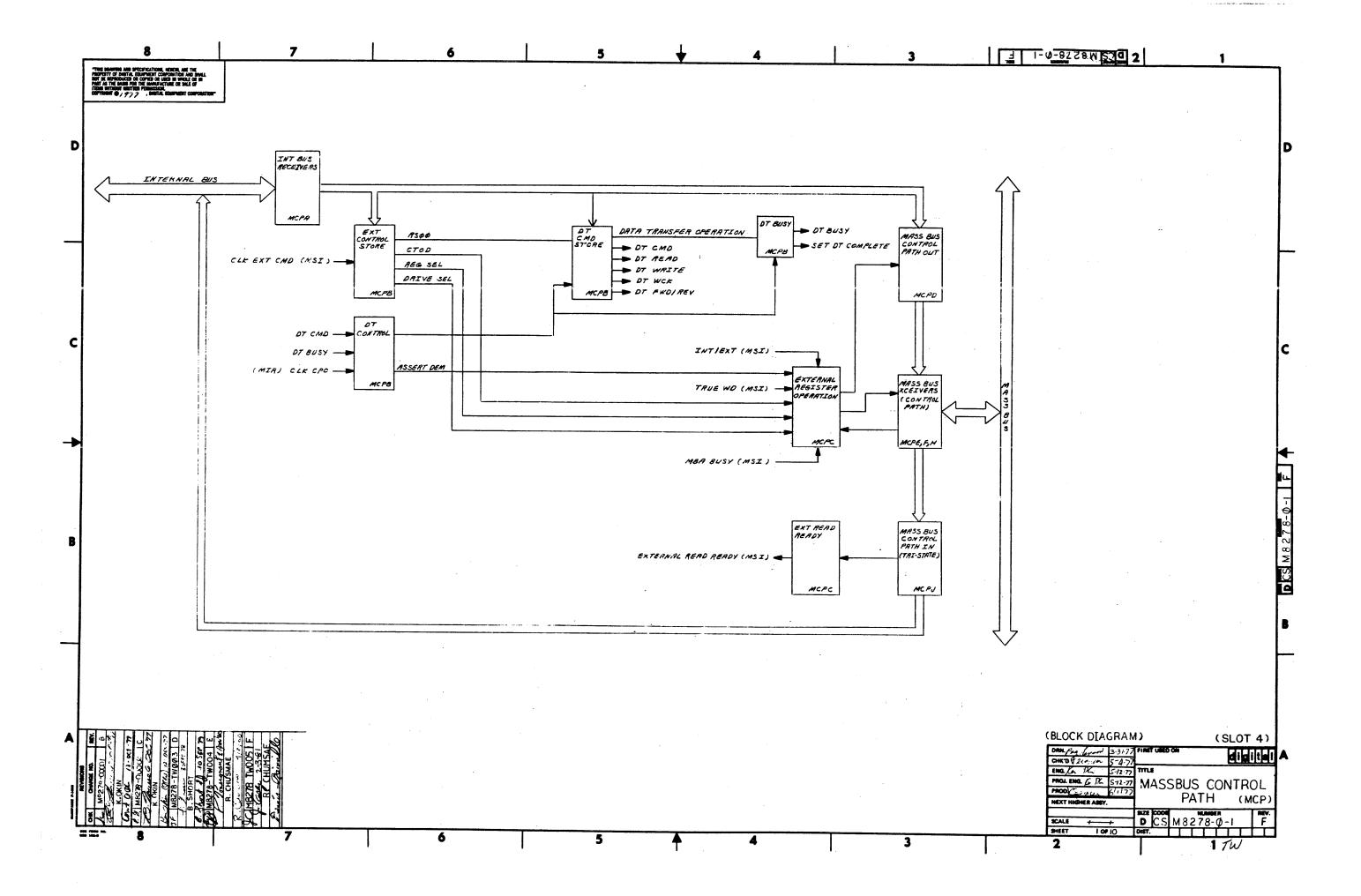


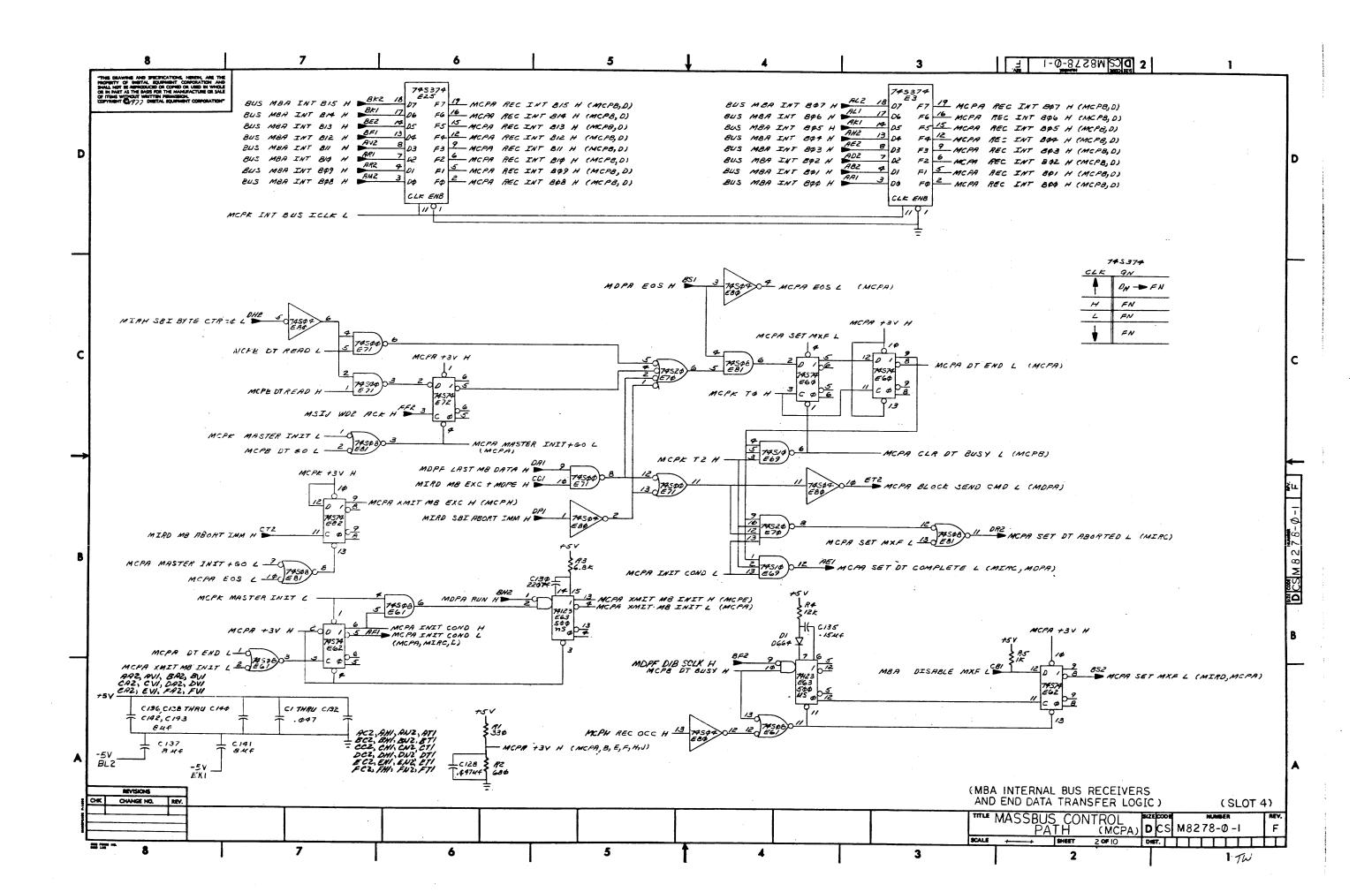


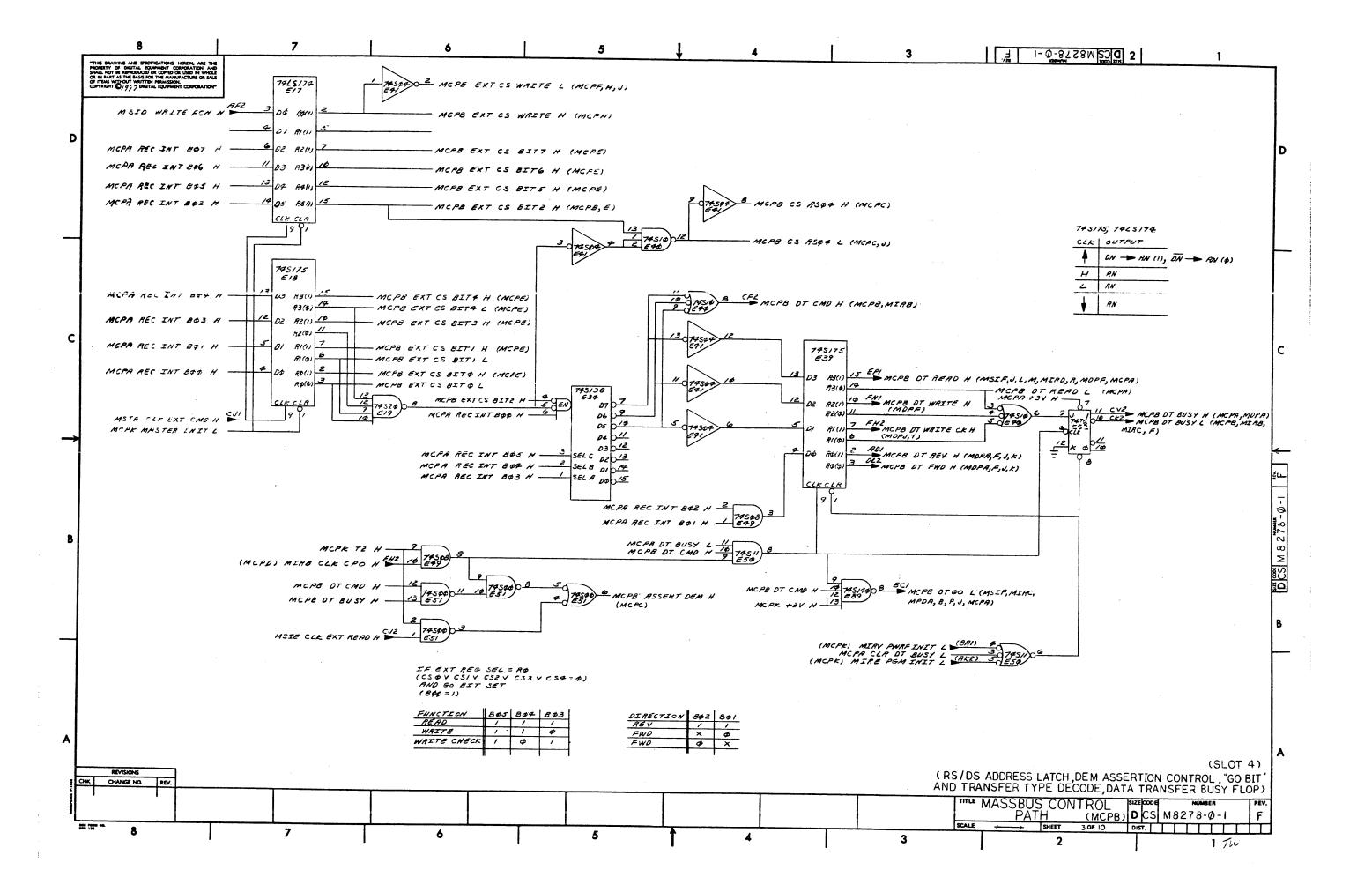
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| 1 | 1 E-MD-5012 | 649-0-0 | 5012649-00 | M8278 | | 1 | | | |
| 2 | 2 | | 1000019-00 | 150.0 MMF 100V 5%200PPM | MICA | • | C144, | C122 | |
| 3 | 3 | | 1005820-00 | 22.0 MMF 100V 5%200PPM | MICA | 1 | C134 | C133 | |
| 4 | 4 | | 1011895-00 | | TANT | • | C135 | • • | |
| 5 | 5 | | 1012121-00 | 220.0 MMF 100V 18200PPM | MICA | 2 | C130, | C134 | + 1 |
| • | 6 | | 1012084-01 | | AL EL | Ř | C136- | | |
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| 5 | 8 | • | 1100114-02 | D 664 QS\75PCB PIV= 25V | SP | 2 | D1.D2 | | |
| , | 9 | | 1300229-00 | 100.0 .25 W 5.0 % | CC | i | R97 | | |
| 9 | 10 | | 1300488-00 | 12.0 K .25 W 5.0 % | CC | i | R4 | | |
| l | 11 | • | 1300365-00 | 1.0 K .25 W 5.0 % | CC | 2 | R5,R7 | 3 | |
| 2 | 12 13 | | 1301424-00 | 680.0 .25 W 5.0 % | CC | 3 | R2,R3 | | |
| } } | | | 1301423-00 | 6.80 K .25 W 5.0 % | CC | í | R3 | | |
| | 14 15 | | 1300295-00 | 330.0 ,25 W 5.0 % | CC | 3 | R1,R3 | Ø.R90 | |
| ; ; | 16 | | 1301477-00 | 82.0 .25 W 5.0 % | CC | 32 | | 29,R42-R51,R63-R | 72.203.20E |
| , | 17 | | 1305346-00 | 27.0 K .25 W 5.0 % | CC | 1 | R7 | | CENTERNIS |
| } | 18 | | 1301781-00 | 82.0 .50 W 5.0 % | CC | 32 | | 19,R32=R41,R53=R | 62.202.20A |
| ,) | 19 | | 1301874-00 | 5.60 K .25 W 5.0 % | CC | 3 | R6,R8 | .R9 | 02117211734 |
| , | 20 | | 1302957-00 | 121.0 .25 W 1.0 % RN55D | | 8 | R82=R | | |
| , | 21 | | 1311422-00 | 178.0 .25 W 1.0 % RN55D | -F10 | 8 | R74-R | | |
| ! | 22 | | 1300439-00 | | CC | 1 | R52 | | |
| ; } | 23 | | 1312930-00 | | CC | 1 | R96 | | |
| , } | 24 | | 1503014-00 | DEC 3646 NPN 200MW SI 15 5 | 30 | 1 | Q1 | | |
| , | 25 | | 1910532-00 | 74S00 NAND GATE-QUAD 2 | | 5 | | 51,E102,E67,E68 | |
| , | 26 | | 1910534-00 | 74SØ4 INVERTER GATE-HE | | 3 | | 41,E91 | |
| , | 27 | | 1912389-00 | 74S08 AND GATE-GUAD 2I | | 5 | | 61,E49,E93,E90 | ** |
| } | 28 | | 1910536-00 | 74S10 NAND GATE-TRIPLE | | 2 | E69,E | | |
| Ó | 29 | | 1910537-00 | 74S11 AND GATE-TRIPLE | | 1 | E50 | | |
| 3 | 30 | | 1910539-00 | 74820 NAND GATE-DUAL 4 | | 2 | E70,E | 19 | |
| | | • | 1910542-00 | 74564 A-0-1 GATE 4-2-3 | - 2 | 1 | E83 | | |
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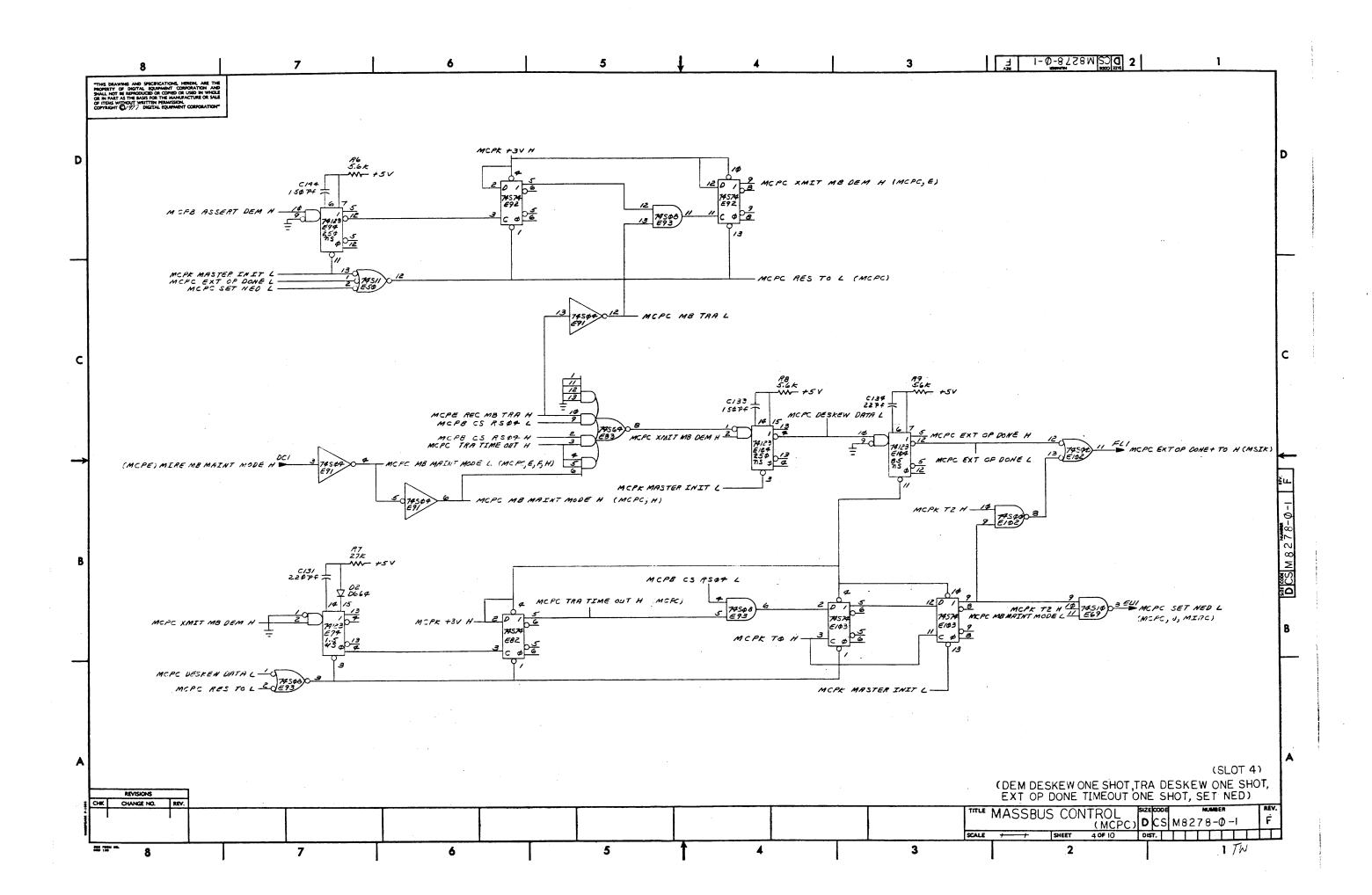
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| LINE ITEM | DOCUMENT NUMBER | PART NUMBER | DESCRIPTION | 00 | ER VARIATIO | REFERENCE DESIGNATOR | |
| 31 31 32 32 33 33 34 34 35 35 36 36 37 37 38 38 39 39 40 40 41 41 | | 1910544-00 1905585-00 1910436-00 1911675-00 1910546-00 1912697-00 1910957-00 1913493-00 1913671-00 1913671-00 | 74874 FF-D DUAL, EDGE TRIGG 7476 FF-JK DUAL, MASTER SL DEC 74123 ONE SHOT-DUAL, RETRIG 748138 DECODER/DEMUX 3-8 LIN 748140 NAND GATE-DUAL 4INPU LS174 FF-D HEX W/CLEAR 748175 FF-D QUAD COMMON CLO 748241 OCTAL BUFFER, TRI-STA 748280 PARITY GEN/CHKR, 9BIT 748374 FF-D OCTAL TRISTATE DEC 751078 RECEIVER, LINE, DUAL, | 6 1 3 1 2 4 2 3 4 4 16 | CONT | E72,E60,E62,E82,E92,E103 E52 E63,E94,E104 E30 E89,E38 E17,E28,E16,E5 E18,E39 E26,E27,E4 E15,E7,E29,E8 E25,E3,E14,E6 E2,E48,E98,E46,E13,E35,E37,E57,E66,E79,E77,E100,E108,E110,E24, | |
| 42 42 43 43 44 44 45 45 46 46 47 47 | | 1911341-00 1911415-00 1216988-02 9000024-01 9009185-00 1012784-00 | 75113 DRIVER, LINE, DUAL, MA 10125 ECL TO TTL TRNSLTR HANDLE, MODULE, HEX TWO EJECTORS EYELET, ROLLED FLANGE, .121 OD X JUMPER, WIRE, INSULATED, BLACK B .047 MFD 50V +80-20% CER | 15 1 1 12 1 102 | CONT CONT CONT CONT | E88 E1,E47,E97,E45,E12,E34,E36,E56,E65,E78,E76,E99,E107,E109,E23 E87 W1 C1-C8,C12-C19,C23-C30,C34-C41,C45-C52,C56-C63,C65-C72,C76-C83,C87-C94,C97-C104,C107-C112,C115-C129,C132 | |

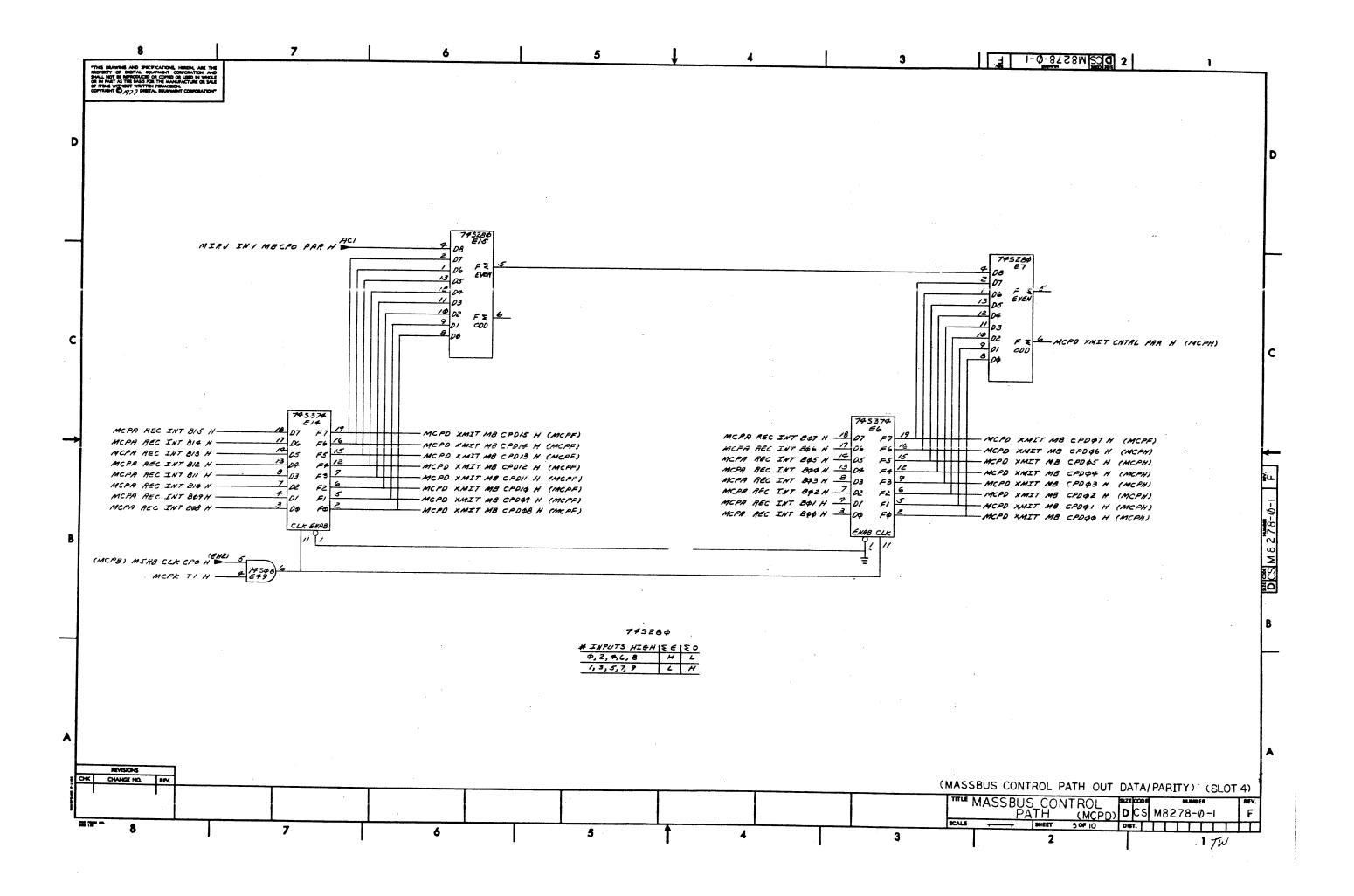
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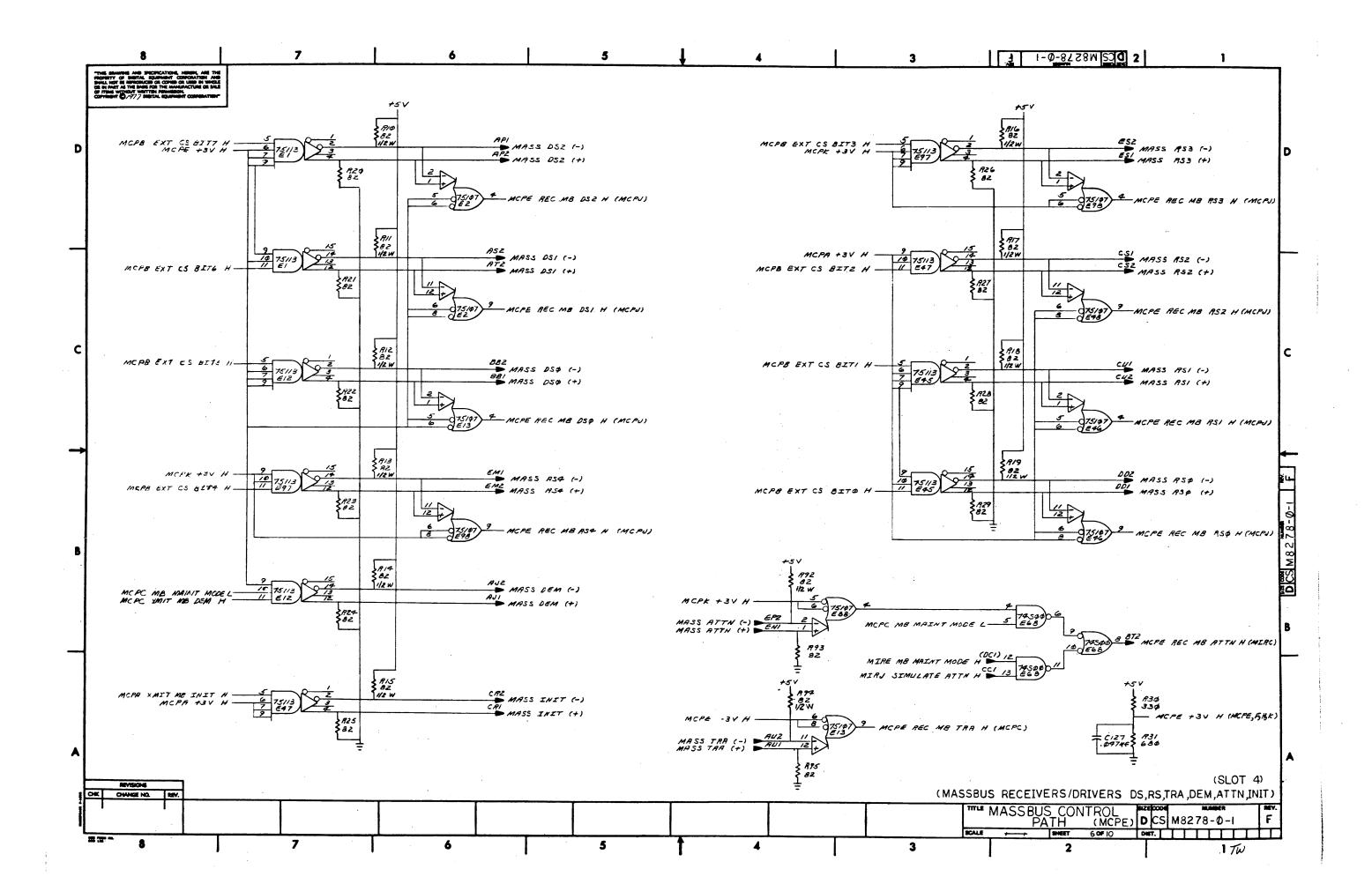


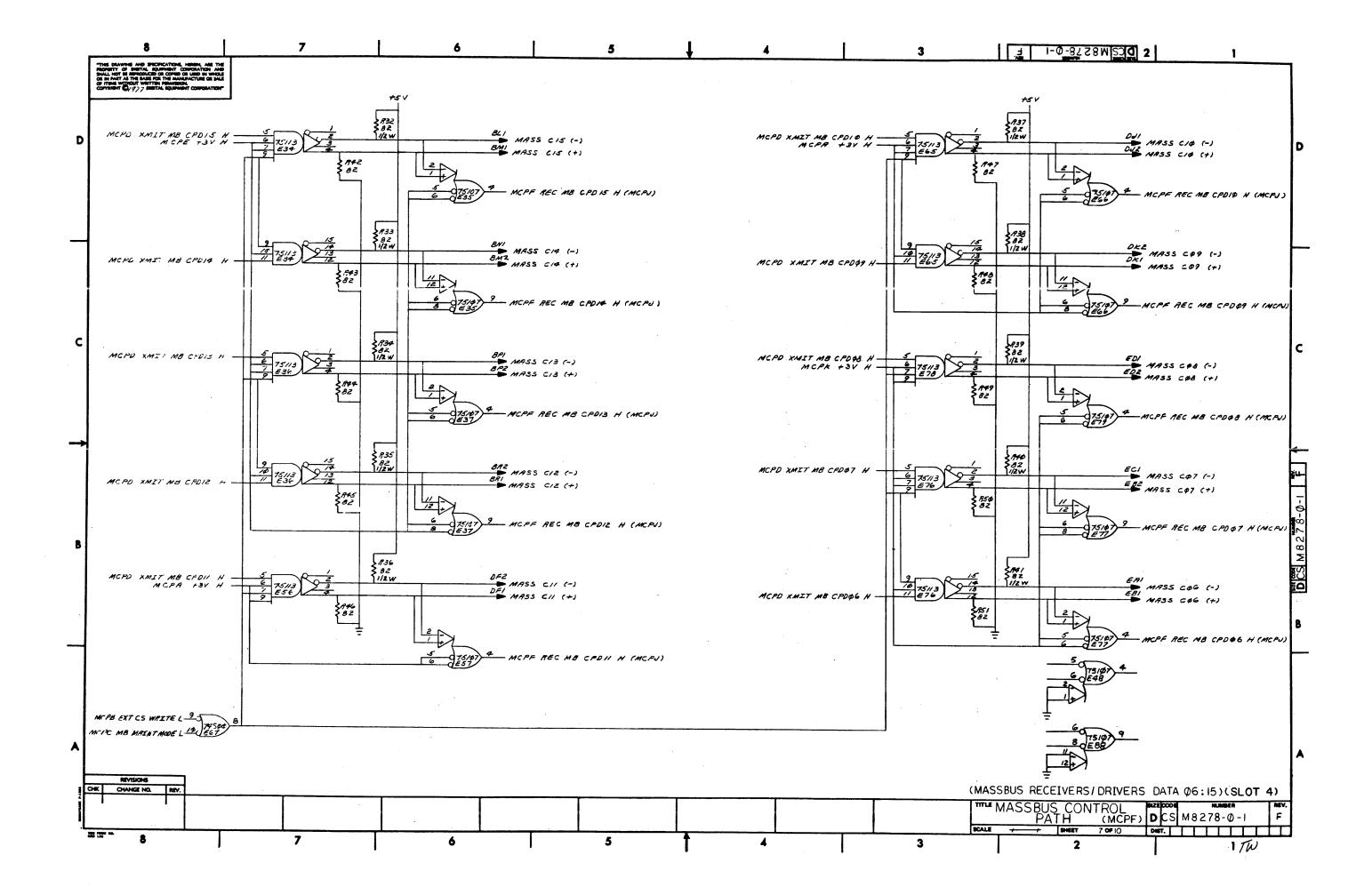


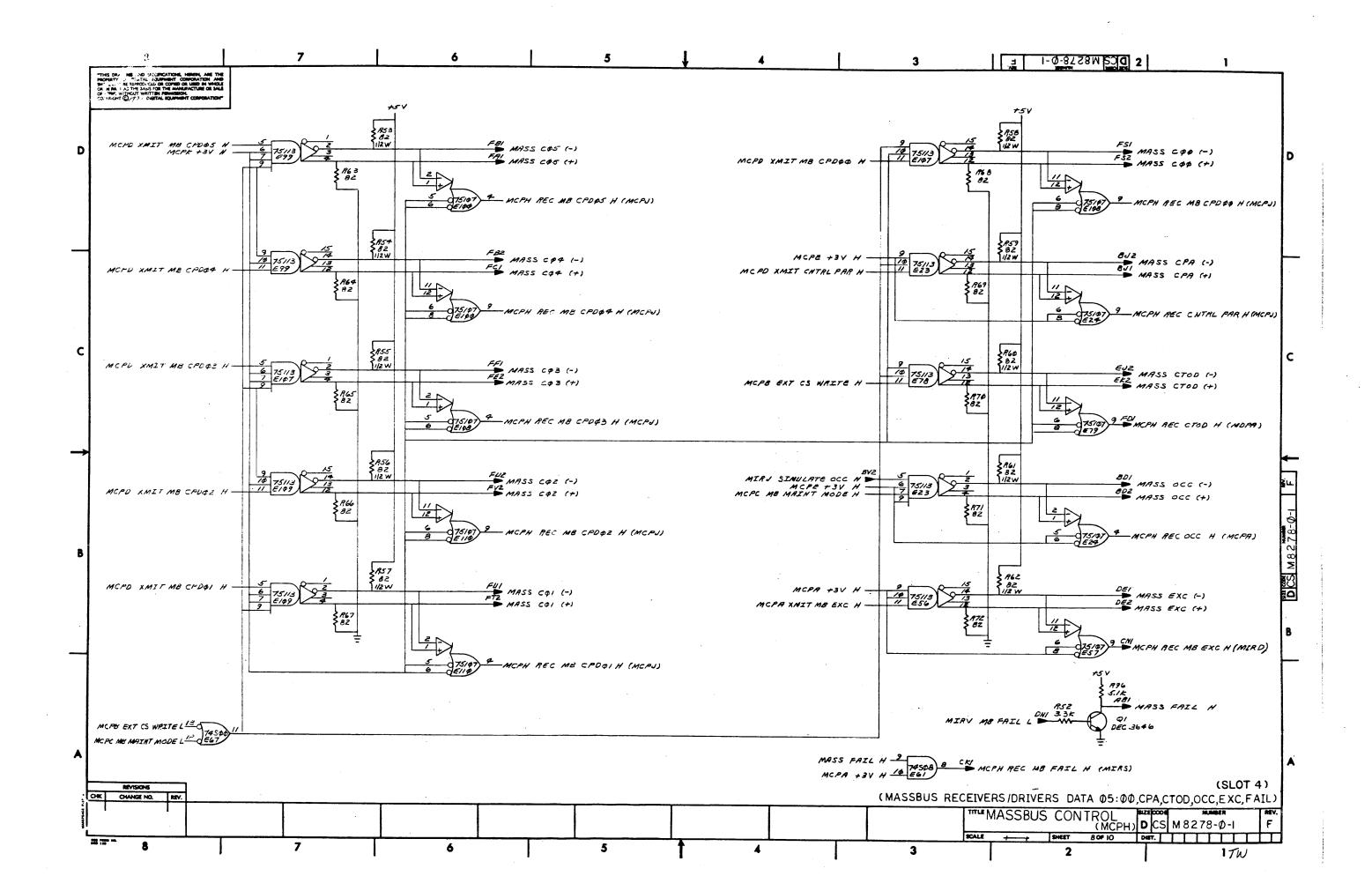


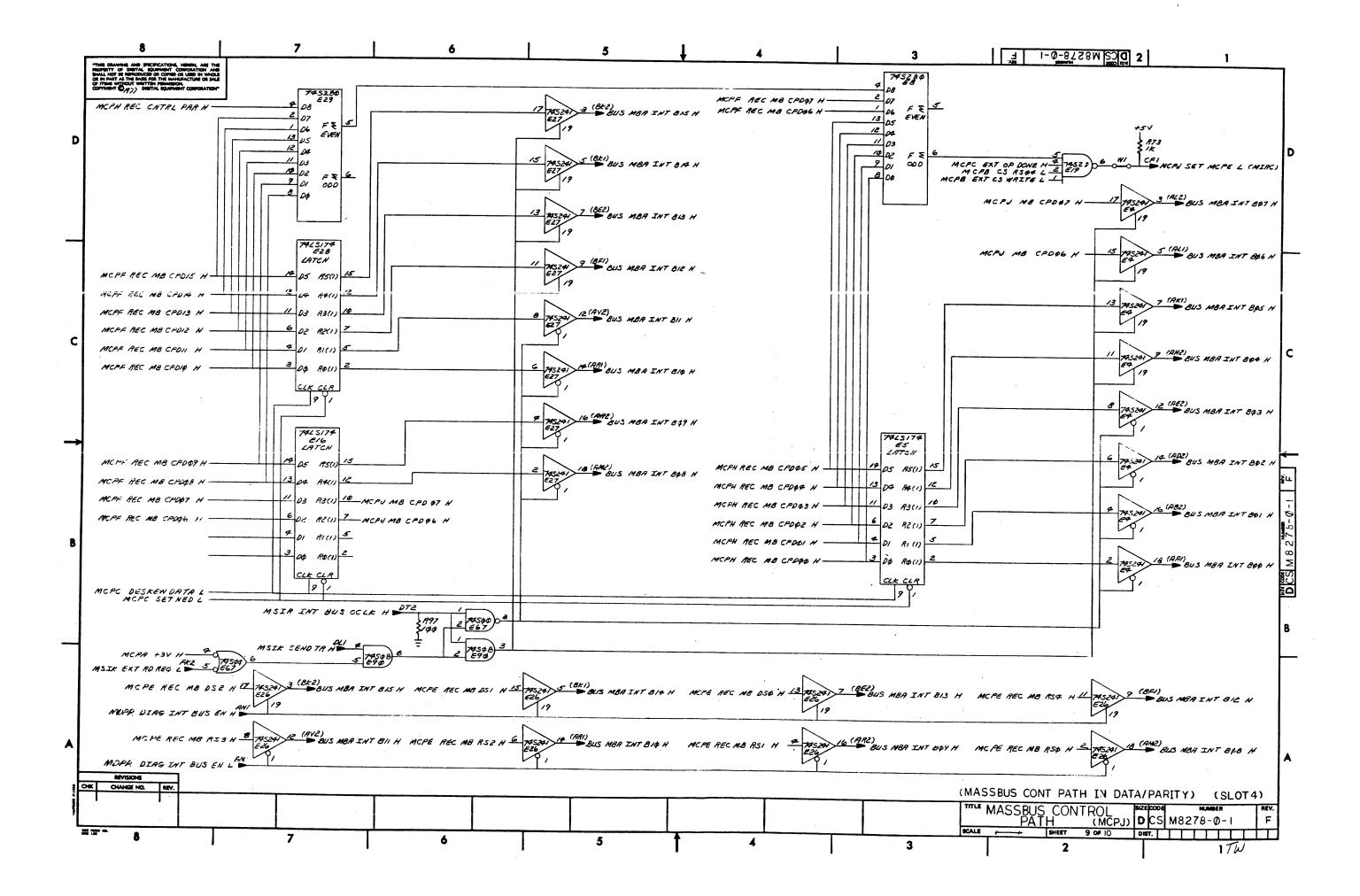


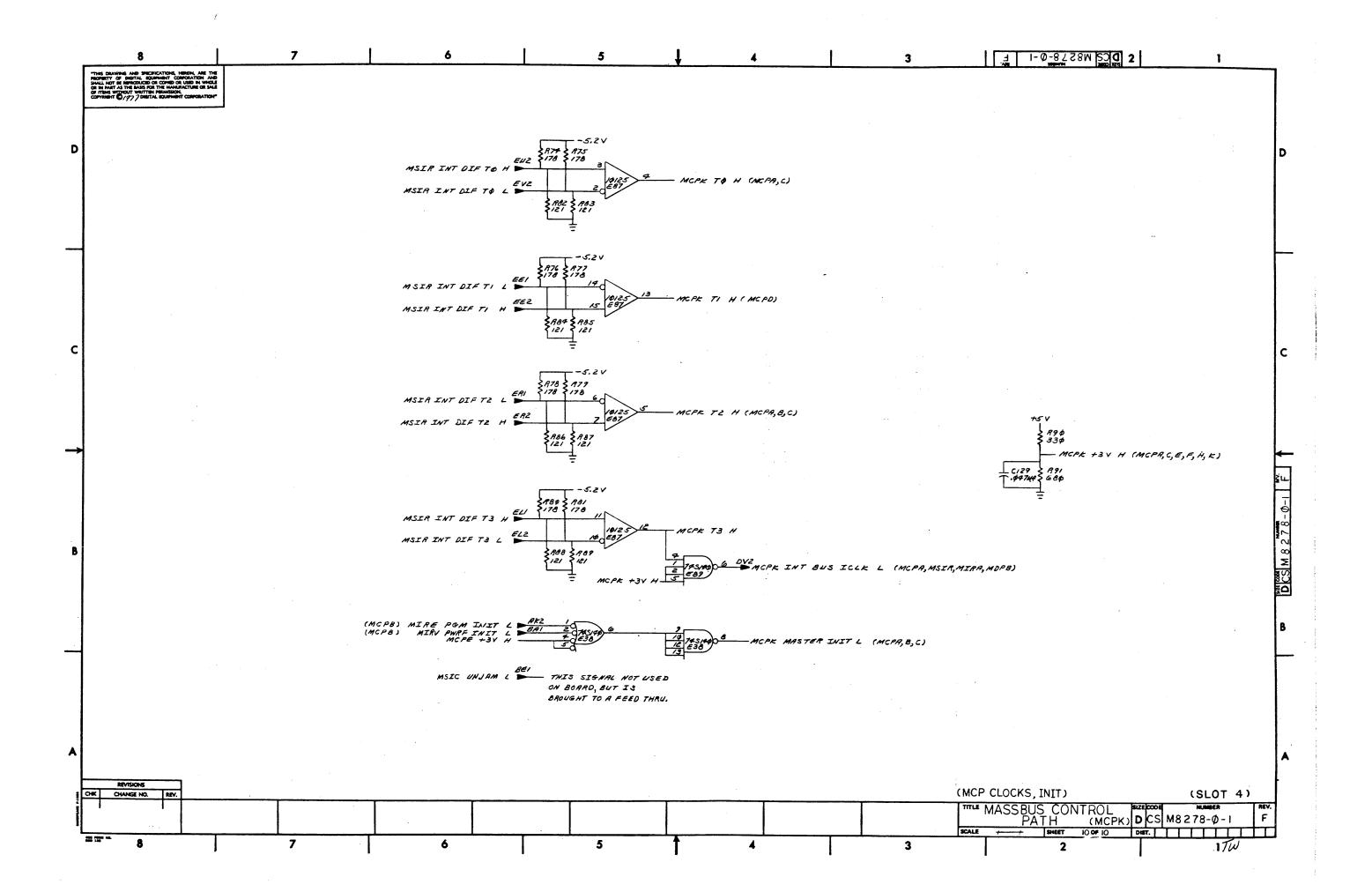


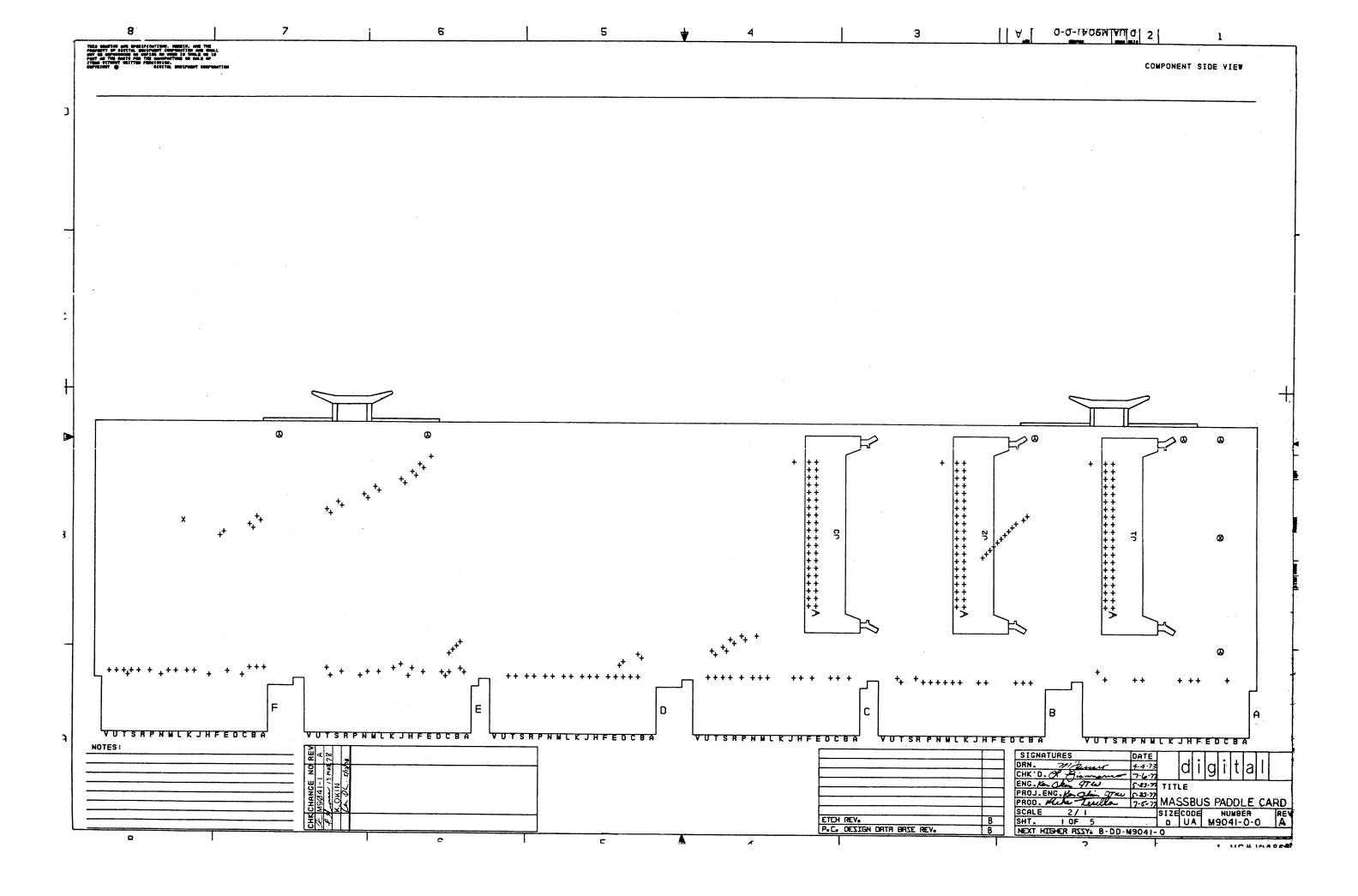


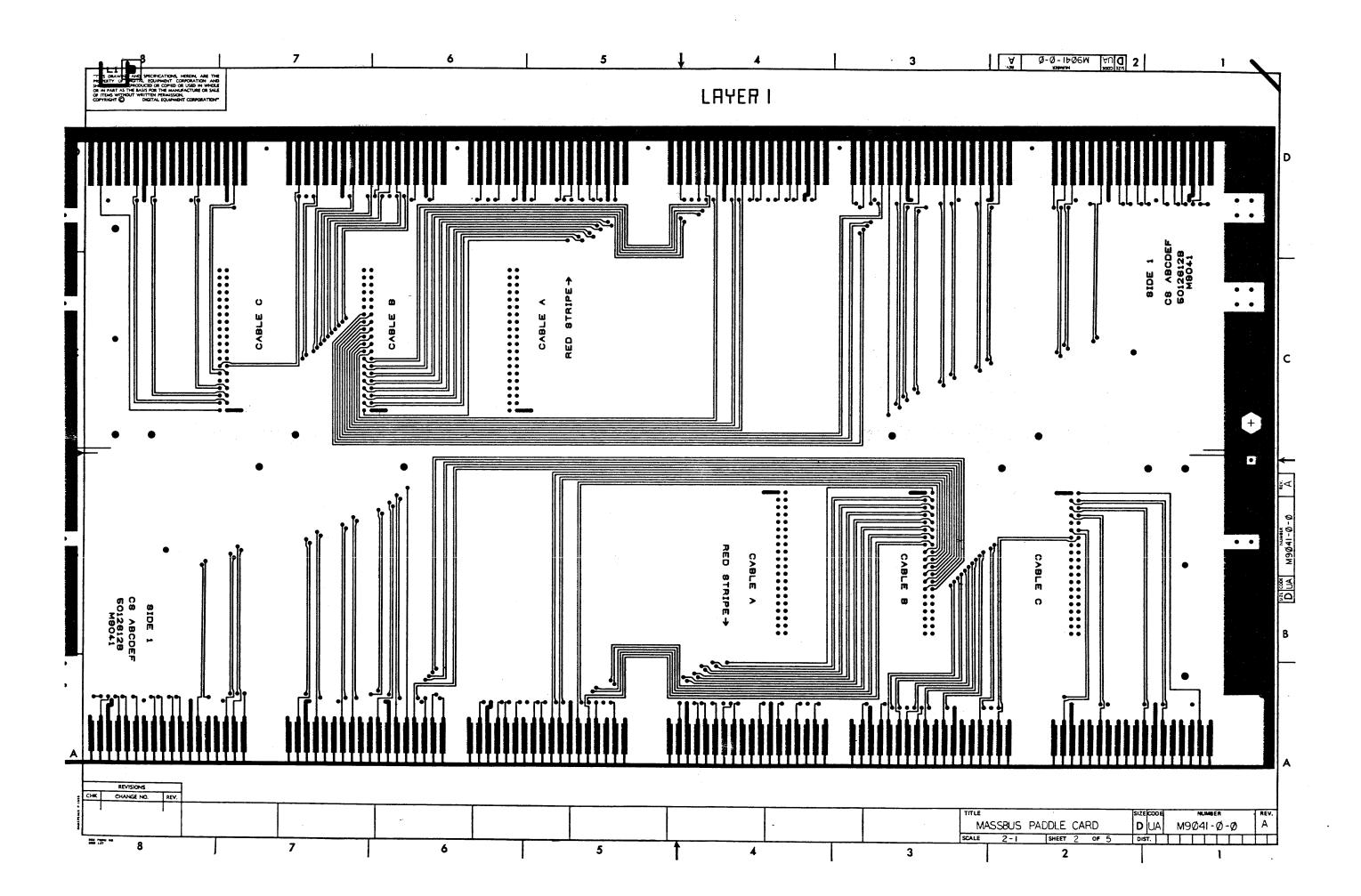


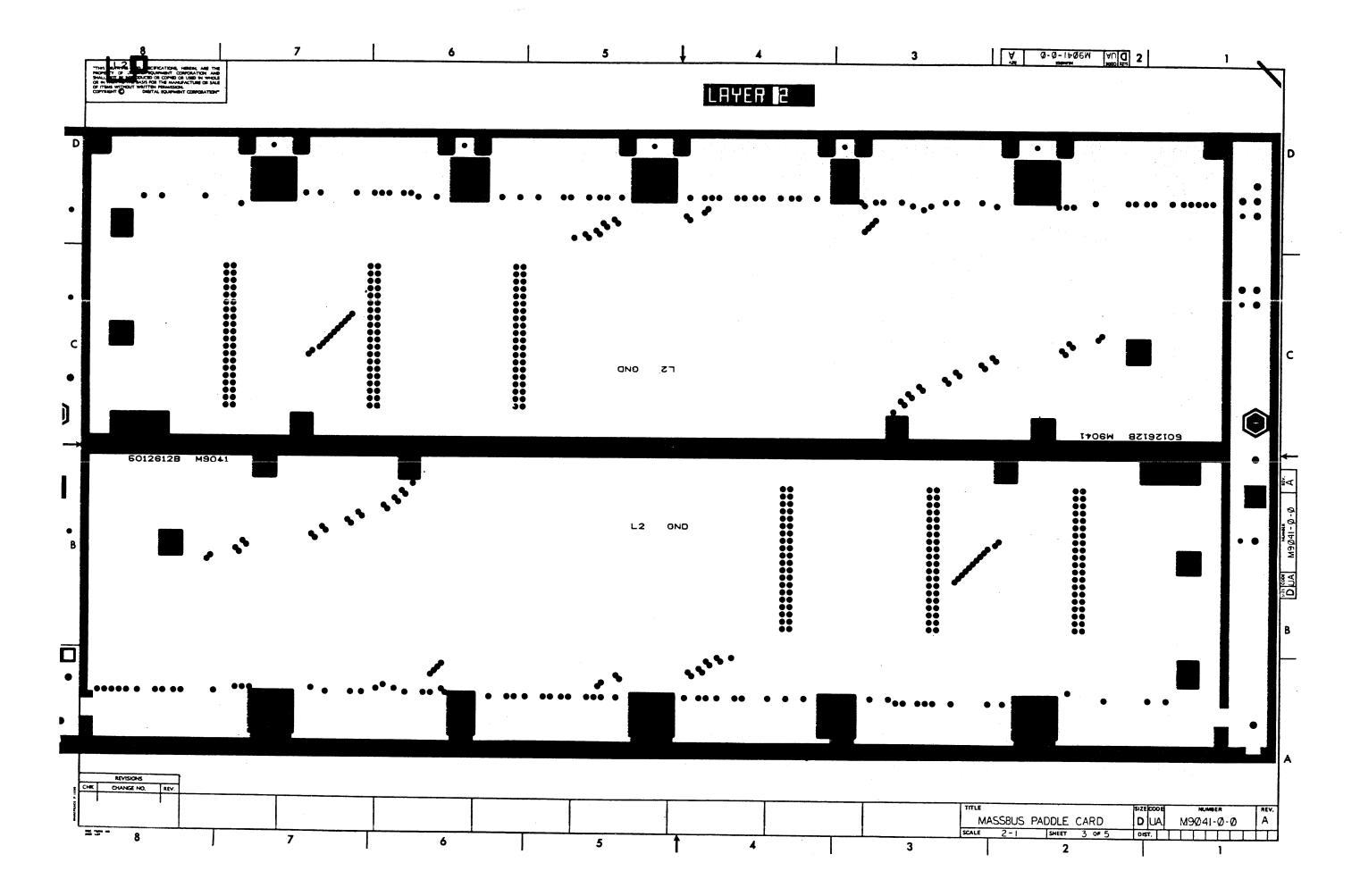


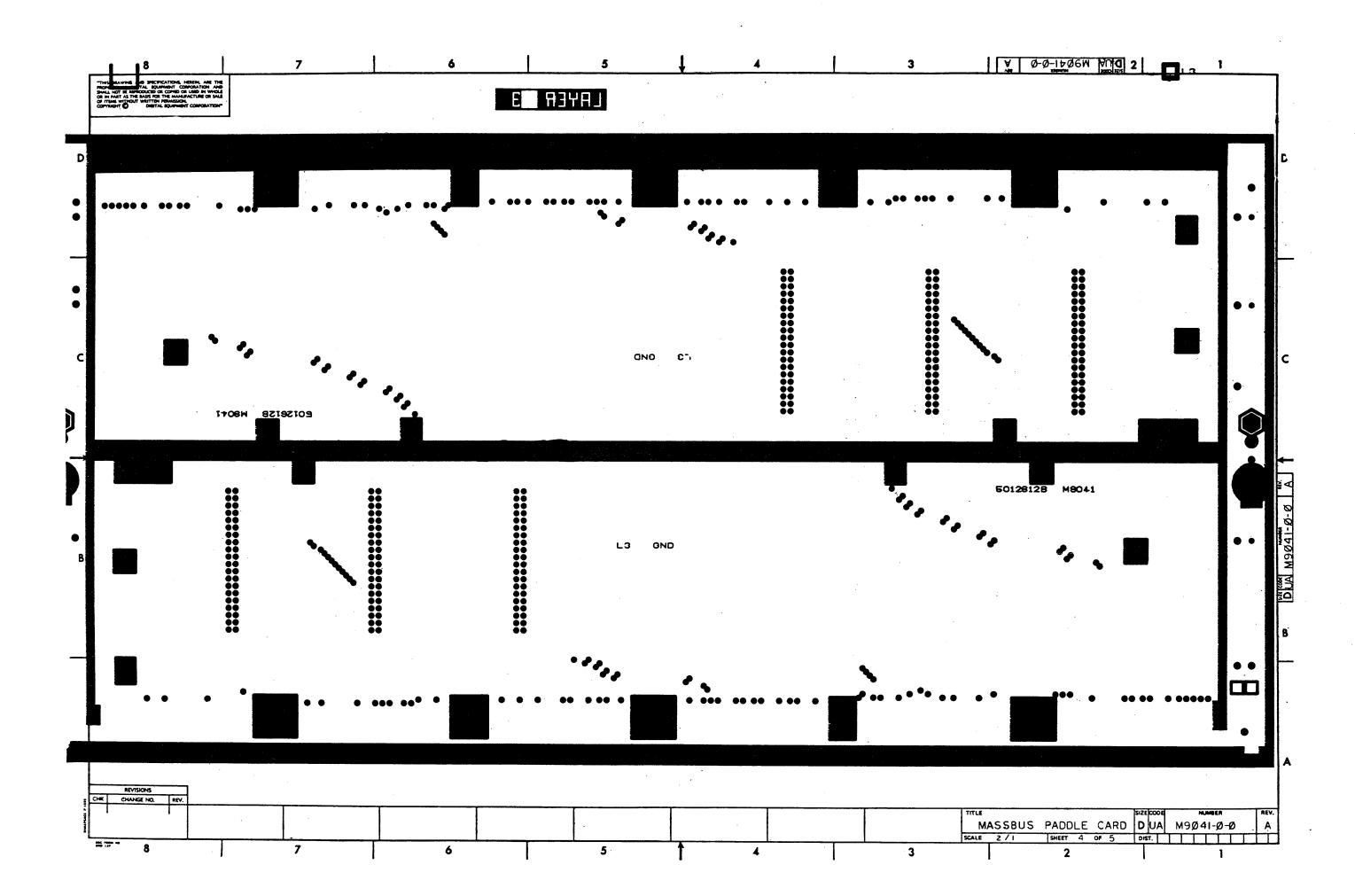


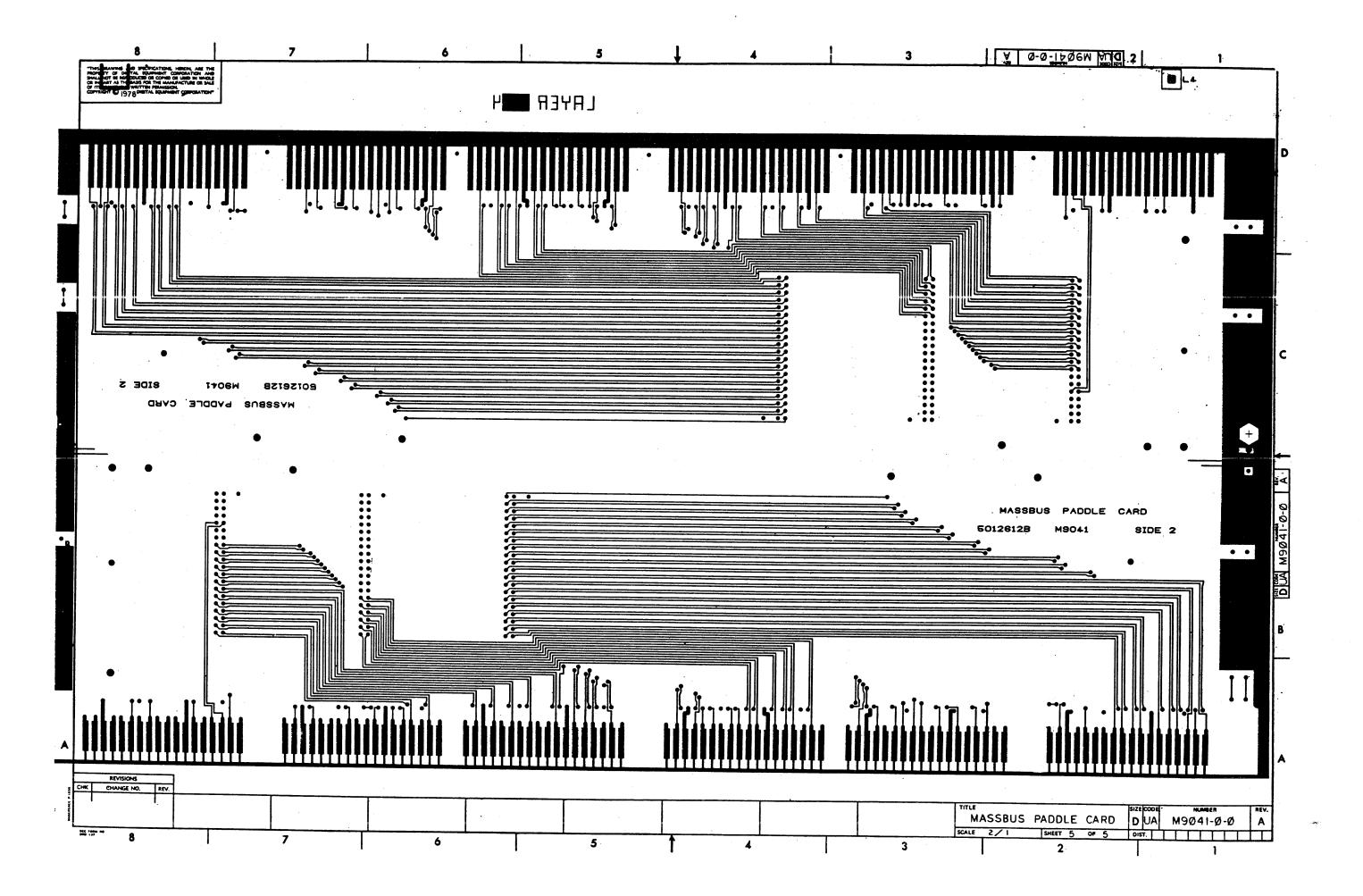












| LINE ITEM | DOCUMENT | NO. | FART NO. | DESCRIPTION | | QTY REFERENCE DESIGNATORS | | |
|---|--------------------------|--|--|--|--|--|-------------|--|
| 1 1 2 2 3 3 4 4 5 5 6 6 | D-MD-5012 | | 5012612-00 1209941-02 9008337-06 9006732-00 1209941-03 1209941-04 | M9041 FC BOARD HEADER 100 40FOS RT HANDLE, FLIF CHIP, I EYELET, ROLLED FLANI HEADER RT HEADER RT | MAGENTA GE, .121 OD X .219 | LG 4 OR 3 | | |
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| ! P.G ! 00 | · ! | | | DE BY: F.MULLIGAN | !DATE: 13-MAR-78 | !TITLE ! PARTS LIST | <u>:</u> | |
| ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! | į | ! | | ECKED: L.GIAMMARINO | ! !DATE: 13-MAR-78 | ! ! MASSBUS PADDLE CARD | | |
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